

# Manufacturers Record

## Exponent America



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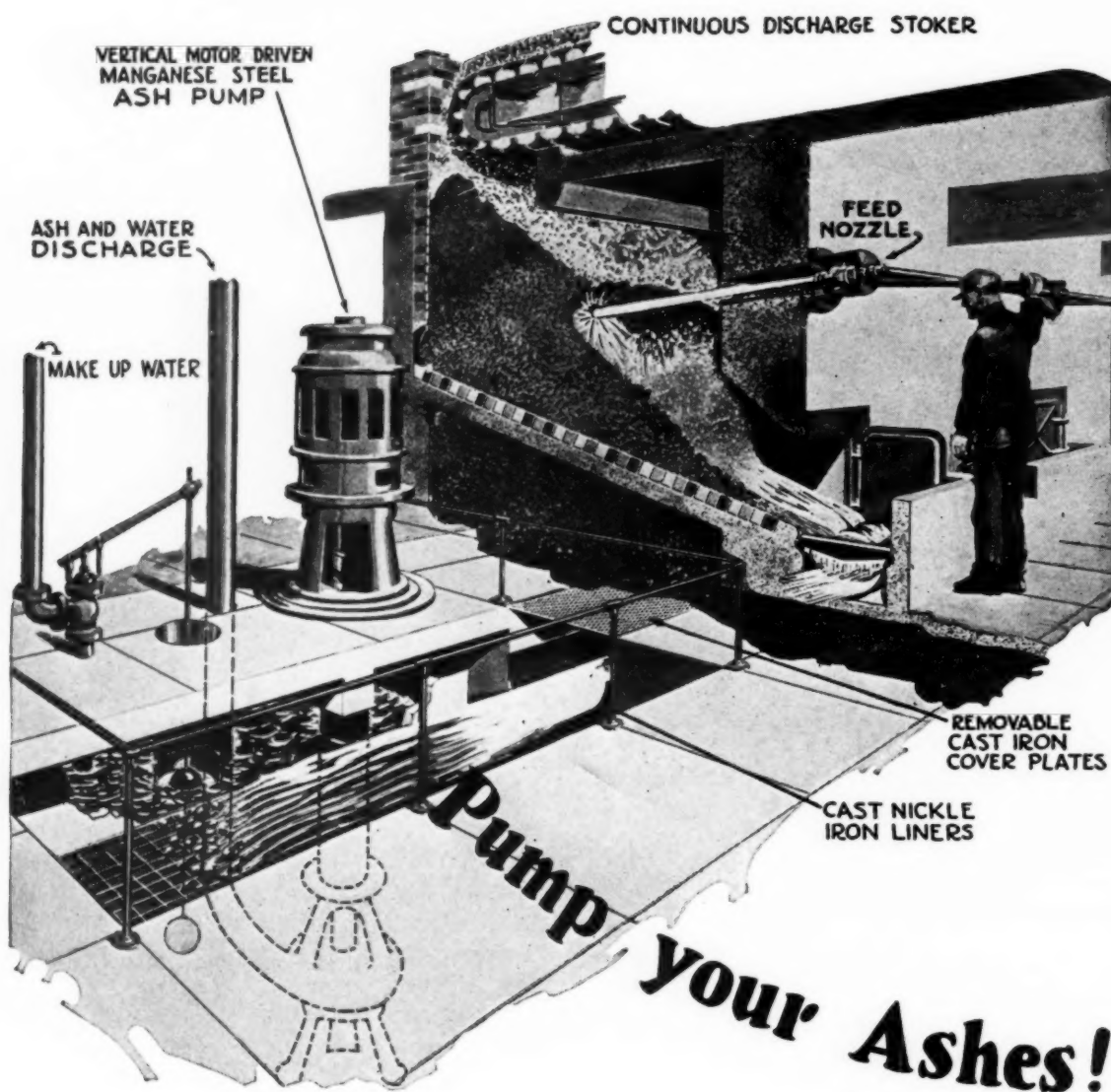
Baltimore, Md.  
OCTOBER 18, 1928

## Business and Government.

Although nearing the end of a presidential campaign which has been of greater intensity than those of several past national elections, business throughout the country has been good, with many industries reporting exceptional gains. Activity, continuing through October, has been maintained in many lines at a relatively high level. Of course, cotton manufacturing and coal mining, among other individual industries, have experienced dullness, but this situation cannot be attributed to politics. Their problems are within the industries themselves, brought about through changing conditions in the shifting of manufacturing and demand, such as the competition of cotton with newly created fabrics and style changes; and in the coal industry in having to meet the competition of hydro-electric development, petroleum and gas fuels and the greater efficiency of heating units.

For many years there has been an increasing, insistent demand for a business leader to head the nation. The chief executive of the United States Government directs the greatest business in the world. With an agricultural depression of long standing needing the soundest of business judgment to effect its revival; with the Mississippi flood control problem to be solved, involving great engineering and construction supervision; with the expansion of governmental operations which affect everyone whether engaged in gainful employment or living upon invested savings, the United States Government must be under the guidance of the highest type of business executive. The people of America must not permit the affairs of this great nation to be placed in the hands of a politician.

The Manufacturers Record has long urged that a business man should head the national government and it believes that Herbert Hoover with his engineering experience, with his experience as a great organizer, with his experience in governmental affairs and with his intimate knowledge not only of the resources and development of the United States, but of world conditions, trade and commerce, is peculiarly fitted for the Presidency of the United States in this age of material advancement.



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# Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development  
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. XCIV No. 16 }  
Weekly. }

BALTIMORE, OCTOBER 18, 1928.

{ Single Copies, 20 Cents.  
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## Great Development Projects Move Forward Throughout the South.

**T**HE inherent strength of the South's position in resources and opportunities has never been better demonstrated than in its steady and continuous expansion in material development at this time of political activity. Notwithstanding the presidential year, business men have not allowed themselves to be so engrossed in politics that they could not appreciate the advantages of the South and the necessity of enlarging their operations to meet ever growing demands.

From week to week the MANUFACTURERS RECORD is announcing development undertakings of great variety and magnitude. In themselves they indicate the appeal this section is making to the local and outside investor, and they show to what extent Southern communities are expanding their public works, improving their highways, and generally enlarging existing facilities to care for increasing population.

That Southern construction and development projects are progressively moving forward is illustrated by the following brief survey of published reports covering a period of only three days' announcements appearing in the columns of the Daily Bulletin of the MANUFACTURERS RECORD. They indicate an aggregate expenditure of many millions of dollars for new and enlarged projects of various kinds. Among the more important items is a call for bids by the Alabama State Bridge Corporation for the construction of 15 large and important bridges in different sections of the state, a detailed account of which will be found elsewhere in the reading pages of this issue.

Bids will be received until October 24 by the United States Engineer at Memphis for 1,632,000 cubic yards of levee work in the Upper Yazoo Levee District.

The Gulf States Steel Company of Birmingham is reported planning the expenditure of from \$2,000,000 to \$3,500,000 on an expansion program for its properties at Alabama City, Virginia Mines, Sayre and Shannon, in order to diversify and increase its output of steel products.

The Jefferson County Board of Revenue, Birmingham, will receive bids until November 6 for widening an underpass at the Woodward Iron Company's tracks on the Hueytown road and for the construction of a steel bridge over the Warrior River near Porter, Ala.

The Board of Regents of the University of Texas has called for bids November 27 for the purchase of a \$1,250,000 loan to start a new building program.

The Southwestern Transportation Company of Little Rock, Ark., a subsidiary of the St. Louis-Southwestern Railway Company, has acquired other bus companies and plans to expend \$1,000,000 for expansion.

The City of Montgomery, Ala., votes in November on a

\$1,000,000 bond issue for the extension of water mains, erection of 4,000,000-gallon reservoir, boring new wells and enlarging fire department.

The Southern Bond and Share Corporation of Birmingham has been organized by Jemison and affiliated interests with an initial capital stock and surplus in excess of \$1,200,000 to conduct the business of an investment trust of the general management type.

President C. S. E. Holland, Houston, of the Intracoastal Canal Association of Louisiana and Texas, has issued a call for the twenty-fourth annual convention of the Association at Baton Rouge for the discussion of details relative to the proposed canal from the Mississippi River to Galveston on which considerable construction has already been done and for which \$2,000,000 is now available for continuing the work in Louisiana and \$1,300,000 in Texas, the entire project to cost about \$16,000,000.

Press reports announce the organization of the United Merchants and Manufacturers, Inc., with an authorized capital stock of \$15,000,000, Homer Loring, of New York, president, for the purchase of textile finishing mills in the North or the South, and a few selected mills specializing in products being sold by selling houses and converters now controlled by the company.

A \$500,000 steel contract has been awarded to the Virginia Bridge and Iron Company of Roanoke by the American Enka Corporation of New York for a \$10,000,000 rayon plant at Asheville, N. C.

Cameron County Water and Irrigation District No. 10, San Benito, Tex., has voted a bond issue of \$680,000 for irrigation purposes.

The Atlantic and Northwestern Railroad Company plans to construct a 32-mile rail line from Mount Pleasant, S. C., to McClellanville and an 18-mile line from Jamestown to connect with the Seaboard Air Line.

Hidalgo County, A. W. Cameron, judge, Edinburg, Tex., receives bids October 22 for road construction in District No. 7, to cost about \$700,000.

The Central National Bank of Richmond announces the construction of a \$1,500,000 bank and office building, for which Ebersson and Ebersson of New York and Chicago are the architects, and Carneal and Johnston of Richmond, supervising architects.

C. Neil Bass and Edward M. Clayton, both of Nashville, Tenn., announce the construction of a 15-story building in Knoxville for offices and auto storage, Hart, Freeland and Roberts of Nashville, being the architects.

The Board of Awards, Baltimore, has awarded contract at

\$956,450 to the North-Eastern Construction Company, Baltimore, for building a 600-foot freight shed at the McComas street pier, which is being built for the Western Maryland Railway Company.

The South Carolina State Highway Department will open bids October 23 for the construction of nine road projects covering 87 miles and for two bridge projects.

The Treasury Department has awarded contract at \$1,159,700, to the Consolidated Engineering Company, Baltimore, for the construction of the foundation for a new \$17,000,000 building in Washington for the Department of Commerce.

The Young Men's Christian Association of Beaumont, Tex., T. M. Whitehurst, chairman of the building committee, has plans by Tisdale, Stone and Pinson and will receive bids until November 5 for the erection of a \$400,000 building.

The DuPont Rayon Company, Inc., operating a large rayon plant at Old Hickory, Tenn., plans to erect 220 new dwellings for employees.

The Alamo National Bank of San Antonio is having plans prepared by Graham, Anderson, Probst and White of Chicago for a \$2,000,000 bank and office building, 16 to 22 stories.

The State Road Department, Tallahassee, Fla., will receive bids until October 30 for the construction of approximately 119 miles of road and a number of bridges.

The City of Brownsville, Tex., is considering a bond issue for dredging a 16-foot channel, about 17 miles in length, and constructing turning basin, docks and other terminal facilities.

The foregoing are but typical of the hundreds of news items appearing in the MANUFACTURERS RECORD each week, telling of important construction, industrial and other activities throughout the South.

Other important announcements culled from news items received since the above was written include:

The Atlanta School Board receives bids until November 22 for 13 school projects estimated to cost more than \$700,000, for which plans have been made by G. Lloyd Preacher and Company, Inc., of Atlanta.

The cities of Norfolk, Portsmouth and Newport News plan to join the James River Bridge Corporation in celebrating the formal opening of a steel and concrete bridge across the James River from Newport News to the south side of the stream, the structure being nearly 5 miles long and forming a unit of a \$5,000,000 bridge project in which a 4000-foot bridge across Chuckatuck Creek and a structure of similar length across the Nansemond River, are also units. The bridges were designed by J. E. Greiner and Company of Baltimore, with H. T. Campion of Philadelphia, as consulting engineer, and were constructed by the Turner Construction Company of New York, as general contractor.

According to an announcement by C. Frank Dunn, executive secretary of the Kentucky Progress Commission, the construction of a \$2,500,000 cement plant near Frankfort, will be started within 30 days by the Kentucky Cement Corporation, capitalized at \$2,500,000 with F. B. Drew of McAlester, Okla., president, and W. D. McCammish, secretary. The plant will have an annual capacity of 1,500,000 barrels. The Hunt Engineering Company of Kansas City, Mo., is handling engineering details.

Bids will be received until November 5 by the District Commissioners of Washington, D. C., for the erection of a \$267,000 school.

B. G. Dahlberg, president of the Southern Sugar Company, which is building a sugar refining plant at Clewiston, Fla., in connection with other activities in that section, announces that his company will carry out its original program for planting 12,000 acres of land to sugar cane and that a proposed sugar mill at Canal Point of 2500 to 3000 tons daily capacity will be constructed during the year.

## MORE LIGHT ON THE DEFLATION MOVEMENT.

**A**NOTHER important chapter to the story of deflation has been added in the bit of history advocating the breaking down of prices following the World War, according to the public announcement of Senator Borah. More than once the MANUFACTURERS RECORD has demonstrated that the national deflation of 1920-1921 cost the farmers of the United States \$30,000,000,000 and industry and other business \$20,000,000,000; and that deflation was the definite aim of the Federal Reserve Board under President Wilson, Secretary of the Treasury Houston, and W. P. G. Harding as Governor of the Board. Corroboration of this was recently made to the MANUFACTURERS RECORD by former Secretary of the Navy, Josephus Daniels, through the columns of the MANUFACTURERS RECORD, and through Secretary Daniels' own newspaper, the Raleigh News and Observer.

Now a further link in the chain of evidence as presented by Senator Borah, shows that among the initial steps to bring about lower prices were those directed primarily against the farmers of the United States.

In recent speeches Senator Borah discloses the following cablegram as quoted in a volume entitled, "American Pork Production in the World War," written by Professor Surface, and said to have been sent by the then Secretary of the Treasury to President Wilson in Paris (note the date) February 11, 1919:

"I desire to bring to your attention the importance of taking steps to reduce the cost of living and to remove dissatisfaction growing out of the feeling that prices of food commodities are being artificially maintained by governmental action. I have just received a strong letter urging importance of this from the Director of Railroads, the largest employer of labor, and from this and other evidence I am convinced that a situation exists which calls for prompt action.

"As labor becomes unemployed, or only partly employed, the situation becomes more pressing in Europe. Mr. Hoover is naturally impressed with the international phases of the food question and with the problem of fulfilling the moral obligations he feels he is under to food producers and securing the best possible prices for our food products in foreign markets. I am convinced that the broader national aspects of the question are far more important and that the ultimate loss which we shall sustain through maintenance of artificial prices, as, for instance, in the case of wheat, pork and sugar, will far exceed the amount which will be necessary to compensate all those to whom the Government is under any moral or legal obligation. I believe some members of the Food Administration think food prices would in some cases increase if restrictions were removed. But I think this would not happen to any relatively important extent, and that in any event it is highly desirable that all prices should be allowed to find, as promptly as possible, their economic level and that there should be no grounds for a claim that high prices are due to governmental restrictions.

"I have submitted this cable to the Cabinet and they unanimously recommend immediate removal of artificial food prices."

In reference to the foregoing quotation a representative of the MANUFACTURERS RECORD has been informed by an officer of the Treasury Department that Senator Borah had spoken in entire consonance with a copy of the cablegram filed in the archives of that Department on Foreign Relations. A close study of it shows the import of this chapter in the tragedy of deflation which followed in 1920-1921. Had the advocates of the plan paused to think along economic rather than partisan political lines, they might have grasped the incontrovertible fact that it is better for a people to face high prices and to have the money wherewith to pay them, than low prices and no money.



## MR. HOOVER ON MUSCLE SHOALS.

**M**R. HOOVER'S proposal for the development of Muscle Shoals is as follows:

"There is no question of Government ownership about Muscle Shoals, as the Government already owns both the power and the nitrate plants. The major purposes which were advanced for its construction were navigation, scientific research and national defense. The Republican Administration has recommended that it be dedicated to agriculture for research purposes and development of fertilizers in addition to its national defense reserve. After these purposes are satisfied there is a by-product of surplus power. That by-product should be disposed of on such terms and conditions as will safeguard and protect all public interest.

"I entirely agree with these proposals."

On December 1, last, the MANUFACTURERS RECORD said editorially:

"Secretary of Agriculture Jardine has proposed the most sensible solution of the Muscle Shoals problem yet put forth. He suggests that we lease the power plant at Wilson Dam to a private company, and devote the revenue therefrom to research into the manufacture of concentrated fertilizers and their use, and into demonstration stations for teaching the farmers how to use them. Such an arrangement would:

"1. Keep the Government out of the business of generating and selling power.

"2. Go further to provide cheap fertilizers than their actual manufacture at Muscle Shoals and do it without putting the Government into business, but through the exercise of the scientific and educational functions of the government already well established and nowhere challenged.

"3. Comply with the letter and the spirit of the National Defense Act, both in the above, and in keeping the nitrate plants at Muscle Shoals in readiness for the emergency manufacture of explosives.

"No other proposal has been made that is so thoroughly sound, reasonable and workable."

There is no radical difference between these proposals if Mr. Hoover means that the experimental station to be established at Muscle Shoals will use a part of the power and that the balance would be disposed of by lease to a corporation. It is substantially the same plan that the MANUFACTURERS RECORD has been advocating for nearly a year.

The Federal Government has no more right to manufacture fertilizers for sale to the farmer than it has to grow cotton or wheat or any other farm commodity to sell to the manufacturer in competition with private business. But it is within the province of the Government to develop research and experimental work in fertilizers as well as to improve through research the varieties and methods of growing cotton or any other crop.

## SECRETARY MELLON GIVES FIGURES.

**I**T was an exceedingly clear and lucid statement of American prosperity which Secretary Mellon of the Treasury made in a recent address to the people through the radio. As Secretary of the Treasury, Mr. Mellon speaks with the authority of personal knowledge; as one of the greatest financiers of modern times, he presents his figures concisely and in terms intelligible to the average man and woman. On only one point is he silent—his own personal direction of fiscal policies and practices that already have achieved marvellous results for the people.

As touching most closely and directly the average man and woman, Mr. Mellon's statement shows the following achievements since 1921:

The public debt has been reduced over \$6,000,000,000 and the annual national interest charges have been reduced by \$268,000,000.

The Government budget for 1928 has been reduced by \$1,900,000,000 from 1920-21.

Taxes have been reduced about \$1,800,000,000 a year, or about \$5,000,000 a day.

The married man with a salary of \$250 a month, who in

1921 paid \$40 a year income tax, now pays nothing; the \$4000 a year man now pays \$5.63, instead of \$80, and so on up to \$10,000, on which the recipient now pays less than one-fifth of the \$590 in 1921.

Two and a half million persons have been relieved entirely from income taxes.

Bank deposits increased from \$39,000,000,000 in 1921 to \$56,000,000,000 in 1927.

Well may Secretary Mellon say:

"In no other nation and at no other time in the history of the world have so many people enjoyed such a high degree of prosperity or maintained a standard of living comparable with that which prevails throughout this country today."

## SOUTH DEMANDS TARIFF PROTECTION.

**E**XACTLY what the difference between a low tariff and an American protective tariff is to Southern farmers in actual dollars and cents is shown in a telegram to Senator Borah from Wallace B. Malone, Dothan, Ala., who describes himself as "a lifelong Democrat." Taking the specific case of peanuts, of which the South in 1927 produced 866,822,000 pounds, valued at \$35,193,000, on 1,132,000 acres of land, Mr. Malone says to Senator Borah:

"Tell this to the farmers:

"Prior to the Underwood law, the tariff on peanuts, of which China produces many, was \$20 a ton and the price here averaged \$30 a ton for No. 1 Spanish. The Underwood law reduced the tariff to \$7.50 a ton and peanuts sold on the streets for \$22.50 a ton, with much left over. The Fordney-McCumber tariff now is \$60 a ton and peanuts are selling for \$75 a ton and under this law have ranged between \$70 and \$100 a ton.

"Please come to Alabama and help us here to do right."

As truly a Macedonian plea, in its way, as that which came to Paul in his dream.

But peanuts are by no means the only agricultural product for which the South is demanding American tariff protection. From Maryland down to Texas, Southern farmers are urging their Senators and Representatives in Congress to obtain increased duties on vegetables and fruits. In compliance with this ever-increasing urge, many Democratic Congressmen have gone to the front in the fight for tariff protection for Southern agriculture, and indications are strong that their constituents will compel them to keep at work till adequate protection is assured.

And in equal measure the manufacturing industries of the South require tariff protection to assure prosperity. The value of the products of the South's cotton mills, for instance, in 1925, was over \$938,000,000 and cotton consumption in the South in 1927 ran to 5,475,000 bales. Without protection against floods of foreign near-pauper made goods, Southern industry and all industry must stagnate.

## A NEW YORK ENGINEER LOOKING TO THE SOUTH.

**W**ILLIAM MILLER BOOTH, professional engineer of Syracuse, N. Y., in the course of a letter writes:

"The MANUFACTURERS RECORD is a remarkable magazine. Primarily I am interested in developments of the South and Southwestern country covered by this paper. As you know, New York state contains few minerals and with the cutting away of our forests we have little to offer from a raw materials standpoint. The reverse of this is true of states along the Appalachian range. I refer particularly to West Virginia which must become a bee-hive of industry in the near future.

"The sterling attitude you have taken in connection with prohibition interests me very much and I hope it represents in a large degree the attitude of the best citizens of the South. I review about ten magazines each week and cut from these all articles of interest in connection with my business, that of chemical engineer. You will find in my records thus preserved a large number of clippings from the MANUFACTURERS RECORD. I value these highly."

### INDUSTRIAL LEADERS IN CONSTRUCTIVE ACCORD.

**F**URTHER expression of interest in the editorial, "Friendly Cooperation and Price Maintenance Spell Prosperity—Cut-Throat Competition and Price Cutting Spell Poverty," is voiced in the following letters, supplementary to a number published in the MANUFACTURERS RECORD on September 13:

From H. LeRoy Whitney of the M. W. Kellogg Company, New York City, who orders 100 reprints for a friend and 50 for himself:

"Referring to the article, 'Friendly Co-operation and Price Maintenance Spell Prosperity—Cut-Throat Competition and Price Cutting Spell Poverty,' it is my feeling that this article was published at a most opportune time, because it is our experience that not only has the cut-throat competition injured the basic steel industry of this country, but it is also injuring fabricators of all kinds, whether the finished article is structural work for bridges or buildings, tank work, or fabricated piping, and if the prices of the raw material are not stable the fabricator is taking a hazard every time he makes a quotation or purchases material for stock. So much for the basic industry.

"Unfortunately, cut-throat competition and price cutting are just as prevalent—or, more prevalent—among the fabricators as they are among the steel manufacturers, and unless Judge Gary's gospel is preached among the fabricators there will be disaster in this field.

"Your article is the first article published that I have read, where the lying purchasing agent is called by name, but I am very sorry to have to state that in my experience there are a vast number of lying purchasing agents, and the only way the destructive work that these purchasing agents are doing can be stopped is for the executives of the company quoting to instruct their salesmen that they cannot cut prices.

"I have one further suggestion to offer, and that is that reprints of this article be sent to every purchasing agent in the country, and that you canvass the manufacturers of the country to raise the necessary funds for the distribution of this article among the purchasing agents."

The president of the Virginia Bridge and Iron Company, Roanoke, C. Edwin Michael, writes:

"Just as soon as the MANUFACTURERS RECORD of September 13 was received we called the attention of all branch offices to the comments therein contained, and we also sent a circular letter to the principal fabricators of structural steel throughout the South, asking that they read this editorial with care. We have for a number of years attempted to preach the spirit of cooperation, rather than that of destructive competition, as a viewpoint for all those who have earnestly striven to obtain better cooperative and marketing conditions for our product.

"We hope the reading of the article by those who receive the MANUFACTURERS RECORD will prove beneficial in the long run."

Arthur G. McKee, president of Arthur G. McKee & Co., engineers and contractors, Cleveland, Ohio, writes:

"Someone has aptly said, 'He who employs men abler than he is, is abler than they are.' The manufacturers of America, with wonderful unanimity have employed men abler at least in some directions than they are, with the result that manufacturing in America is done with equipment of remarkable efficiency and with men who are so thoroughly competent in their several duties that the quality, production and the costs leave little to be desired and but little room for further improvement. On the other hand, these same manufacturers in their sales efforts have employed men more foolish than themselves and in so doing have proved themselves more foolish than their foolish salesmen.

"In other words, in the design, construction, equipment and operation of our manufacturing plants there is a positive, definite incentive to all of the employees of the company to higher and higher efficiency in the work that they are doing. On the other hand, with but few exceptions, sales effort is rewarded on the basis of the volume of sales, with absolute disregard of the profits realized from the sales made. Under these circumstances, the incentive is toward volume rather than profit and the psychology of the situation is absolutely wrong as far as it is possible to be.

"Until salesmen, sales managers, general managers and presidents of our companies profit directly in proportion to

the profit realized by the sales which they themselves effect, we will continue to enjoy profitless prosperity, but when all of the men in business who have to do with sales are rewarded in proportion to the benefit of their efforts to their respective companies in the way of actual profits, these men will individually and collectively bend their best efforts toward the increasing of the profits realized on their respective sales, and profitable prosperity will again be in evidence, to the great satisfaction of the operating department of business and the stockholders who have their money invested therein.

"This whole matter is a subject of the most serious importance to American business and I will be greatly delighted if anything I can say or do will help even a little in leading American business sales policies back to a state approaching that of the old days, when the owner of a business sold its product and saw to it that profit on the business was the first consideration in all sales, rather than large volume and tremendous effort with no profit at the end of the year."

As another correspondent sees it, "every intelligent person realizes that neither the manufacturer nor the buying public is advantaged by reckless competition and price-cutting," and he continues:

"For the manufacturer, it too often results only in utilizing more machinery at a smaller rate of profit, or in actual loss, while for the buying public it nearly always means a loss in quality of material furnished which does not offset the reduction in price, besides unsettling the market. Judge Gary performed a service of national importance when he brought to their senses the steel executives who could see nothing but expansion of their operations and, no doubt to a considerable extent, conditions now resemble those with which he dealt."

### HOW TO DEVELOP THE WHOLE COUNTRY.

**W**. V. PARKER of Paragould, Ark., in a letter to the MANUFACTURERS RECORD regrets that we do not cover the entire country in the same way that we do cover the South. He writes:

"I have been a reader of the MANUFACTURERS RECORD for twenty years and I think it is without doubt the greatest industrial magazine published anywhere in the world today.

"I was born and reared in the South, have lived in seven States but never anywhere except South and I expect always to live in the South. But there is one thing about you and your great book I could never understand and that is you are always trying to sectionize these great United States. Why don't you make your periodical a national book and devote it to the upbuilding of the nation and development of all the states?"

In reply to Mr. Parker it may be worth emphasizing that for any one publication to cover the entire country in the way we cover the South, is an impossibility. It simply cannot be done. This paper has often been requested to cover the whole country. After mature study from time to time it was found impossible. One point, however, which we would strongly stress is that in seeking the development of the South we are working for the development of the whole country. So long as the South was in desperate poverty and so long as its vast resources were undeveloped a broad national material and political advancement was not possible. "The development of the South," as has been well said—and this was the motto of this paper for many years—"means the enrichment of the nation." In the South there is a field for the utilization of almost limitless natural advantages.

Many years ago the opening up of the West created great prosperity for the East and gave to eastern capital and men, opportunities of almost boundless extent. Today this condition has been transferred to the South and here is a field almost virgin as compared with the opportunities awaiting the fullest development, by the energy and the money of the East and West uniting with the energy and money of the South for the rounding out of national development and broadening of the national spirit.

Every effort made for the advancement of the South is an effort for the advancement of the entire country.



## North Carolina Continues Its Forward March of Progress.

By Gov. ANGUS W. McLEAN.



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GOVERNOR McLEAN.

The human element has played a far greater part in North Carolina's recent development than its material resources, great though they are. We have not built roads, schools, factories and other monuments to our substantial prosperity simply for the sake of seeing what could be accomplished with concrete, steel and stone, when backed by dollars. Our growth, though necessarily the result of money available, indicates something deeper than material prosperity: We regard this remarkable growth as an effect rather than a cause, for the real cause is hidden in the hearts of our citizenry, which, I firmly believe, places spiritual values above material success.

North Carolina has had the foresight to properly co-ordinate its resources and direct its activities. Our advancement has not been along haphazard lines, but with definite purposes in view, chief among which has been service to humanity. Our program has been a balanced program. We have built roads, to be sure, but we did not neglect education to do this. At the same time, there was no cessation in our activities in behalf of the weak and unfortunate.

Education, in its broadest sense, has done more than any other factor to bring our State to the forefront, and the external evidences of education are based upon something deeper than that which appears on the surface. True enlightenment goes further than the erection of school houses and the employment of competent teachers. It inspires a will to serve humanity as a whole.

North Carolina's chief aim has not been to outdo any neighbor States, but to improve its own opportunities and, therefore, to help others. Our interests are diversified. Not only do we believe in and strive to encourage diversified farming, but diversified industry as well, and diversified education.

In agriculture we are no longer dependent on any one crop. In 1927, our agricultural products, including live stock, were worth \$441,168,000, and we ranked seventh in the value of all crops and sixth in the value of 22 leading crops. Between 1920 and 1925, when there was a terrific slump in the number of farms throughout the United States, North Carolina showed a net gain in the number of its farms of something like 13,000 and was elevated to the rank of second State in the Union, with only Texas leading. From corn last year our farmers realized \$45,871,000; from wheat, \$7,344,000; from peanuts, \$4,872,000; from Irish potatoes, \$4,747,000; from sweet potatoes, \$9,944,000, and so on. During the past five years our farmers have shipped, in co-operation with the State Department of Agriculture and county agents, 10,000,000 pounds of live poultry, at good prices, in carlots, while we are looking toward a material increase in the dairy cow industry.

Aside from its educational advancement, North Carolina's greatest progress has been marked by the building of dependable highways, for which \$115,000,000 has been authorized by the State since 1921. Through this and Federal aid, our State system now extends between 7000 and 8000 miles, and the financing system calls for no tax on real estate or personal

property. Besides the State system, there are approximately 66,000 miles of county roadways.

We have in North Carolina more cotton mills than any other State in the Union, and the output from these ranks second in value. They consume about 1,500,000 bales of cotton annually, which is considerably more than we produce.

As compared with \$68,000,000 in 1900, the manufacturing establishments of North Carolina now represent a total investment of considerably more than \$1,000,000,000, compared with \$69,000,000 in 1920. The aggregate annual output from these factories equals the amount invested. These factories employ approximately 185,000 workers, whose income is, in round figures, \$135,000,000 yearly. There are more debt-free homes in North Carolina than in any other State in the Union.

Another distinction enjoyed by North Carolina is in values added to raw materials by manufactures, which runs to \$499,727,125. Ten leading industries show outputs for 1927 as follows: Textiles and their products, other than knit goods, \$425,233,595; tobacco, \$413,274,114; lumber, including planing mills, \$54,062,615; furniture, \$53,551,221; fertilizer, \$18,293,687; flour and meal, \$18,201,542; cottonseed oil, cake and meal, \$17,612,879; leather, tanned and cured, \$16,405,354; car construction and repairs, \$14,447,443; printing and publishing, \$12,259,226.

North Carolina's rank in waterpower development among the States of the Union is fifth. The output of its power plants is 1,730,861,590 kilowatt hours and its output by waterpower is 1,025,278,570 kilowatt hours.

The State ranks first in the number of native minerals, with 260, and in the value and quantity of scrap mica, 43 per cent of United States, and feldspar 44 per cent of United States, produced in residual kaolin clay.

While the entire South produces 50 per cent of the nation's lumber, North Carolina's forest products amount annually in value to \$100,000,000. This is well in keeping with the total amount received for its cotton or tobacco, the two major crops. Western North Carolina's hardwood and Eastern North Carolina's pine and gum are among the State's richest assets.

Tremendous increase in per capita wealth has been noted in the State during the past two decades. Taking the 1912-1922 period as an example, this increase was 238 per cent, as compared with 61 per cent for the nation as a whole. The State's property value is placed in excess of \$5,000,000,000, as compared with \$681,000,000 in 1900 and \$4,500,000,000 in 1926, while Federal tax collections for the year ending June 30, 1928, totaled \$225,315,303. Bank resources increased from \$150,000,000 in 1914 to over \$500,000,000 in 1927, a gain of 230 per cent in about a dozen years, while the banking resources of the United States increased slightly more than 100 per cent in the past 20 years.

North Carolina has the oldest State university in America, located at Chapel Hill and founded in 1789, while other institutions for higher learning include five colleges for white students and six for colored; also there are 32 privately operated colleges for white and seven for colored students.

North Carolina is more than 99½ per cent pure American stock, these people having as their background some of the finest sections of Anglo-Saxon Europe. The foreign influx has been slow and at no time has it proved threatening to home industries. Such foreigners as we have are orderly and industrious and have not given any cause for concern.

Briefly, I have endeavored to point out several outstanding

facts, which I believe are easily substantiated: First, that North Carolina has been impelled by proper motives; second, that it has utilized its natural resources to the best advantage with a view to spiritual as well as material values; and, third, that the spirit which pervades North Carolina is not one of selfishness. So long as these conditions prevail, we shall continue our forward march.

### **\$378,000 Contracts on Raleigh School.**

Raleigh, N. C.—Contracts aggregating more than \$378,000 have been awarded by the School Committee of Raleigh Township for the erection of a new high school building on St. Mary's street. The structure will be 3 stories and basement, of reinforced concrete and brick, with stone trim. W. H. Deltrick of Raleigh, is the architect. The following contracts have been let, all to Raleigh firms:

**General contract**—John W. Hudson, Jr., Raleigh and Tarboro, N. C., at \$321,321.  
**Electrical**—Thompson Electrical Company, \$9890.  
**Heating**—W. H. Bond and Company, \$30,765.  
**Plumbing**—Wallin and Trull, \$16,694.

### **Southern Conference on Education at University of North Carolina.**

The University of North Carolina will hold at Chapel Hill a Southern Conference on Education on November 15, 16 and 17. Invitations have been sent to a selected body of people throughout the South, including state officials and leaders in education and other public affairs. Dr. Harry W. Chase, president of the University, states that this is planned as the first of a series of such conferences to be held annually, "to bring together not only people engaged in the technical work of education but also Southern men and women interested in public affairs, for the purpose of discussion not of the technical questions but of educational policy."

The Conference will open Thursday night, November 15, with a banquet at the Carolina Inn; the principal addresses to be made by Dr. Douglas Freeman, editor, News Leader, Richmond, Va., and by Dr. Chase. Friday will be devoted to the relation of the public schools to the colleges. Speakers will be President Lotus D. Coffman of the University of Minnesota and Superintendent Frank D. Boynton of Ithaca, N. Y., who is president of the Department of Superintendence of the National Education Association. On Saturday the financing of the public school systems will be the subject. A round-table discussion will be led by Dr. George D. Strayer of Teachers College, Columbia University. A feature will be reports on educational progress in their own states by superintendents of public instruction from the South.

### **Florida Sugar Operator Optimistic—Plans 12,000 Acres Sugar Cane and New Mill.**

Clewiston, Fla.—On his first visit to this section since the recent hurricane, B. G. Dahlberg, president of the Southern Sugar Company, instructed his manager in Florida to "forge faster ahead than ever," declaring that there is cause for nothing but optimism. Following an inspection trip of his Clewiston holdings, including sugar cane fields, Sugarland Drainage District canals and dikes and the new sugar mill, Mr. Dahlberg expressed keen satisfaction that the big sugar cane plantations had not suffered from the storm.

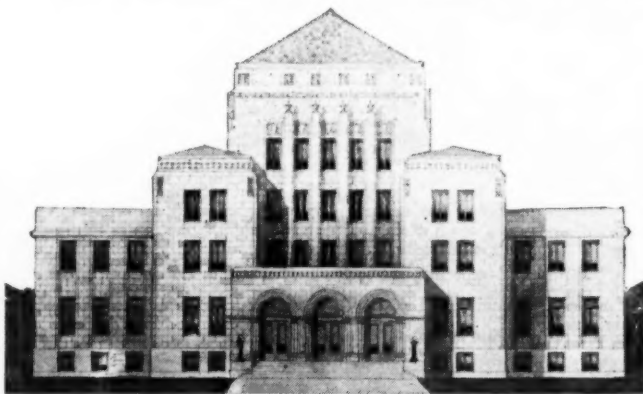
It was decided that the original program for planting some 12,000 acres of land to sugar cane would be rigidly followed. Sufficient equipment will be purchased for double time work in plowing operations to make up for time lost following the heavy rains. Plans were discussed also for a new sugar mill to be built this year at Canal Point, with 2500 to 3000 tons daily capacity.

### **\$300,000 City Hall Now Building at San Angelo— Courthouse Recently Completed—14-Story Hotel Under Way.**

By H. STANLEY NORMAN, San Angelo, Tex.

Although San Angelo is a leading city of West Texas oil development, the fact that it also is a business center for the Southwest Texas stock raising industry and is rapidly developing into a wholesale center and manufacturing point, should not be overlooked.

A survey by the Board of City Development reveals that there are 1,687,500 sheep and 200,000 goats in the actual trade territory of the city, from which 13,500,000 pounds of wool and 1,000,000 pounds of mohair were clipped last spring. San Angelo is a common shipping and gathering point for that



NEW CITY HALL AND AUDITORIUM.

amount of wool and mohair, which has shown an increase from 188 per cent to 233 per cent during a four year period.

Other facts and figures included in the industrial survey are: In 1927, there were 1606 power meters and on September 1, 1928, there were 2253; in 1927, 4747 telephone connections, and on September 1 there were 5100; 4100 water meters were in use at the end of 1927, and 5079 when the survey was completed. Building permits for 1927 totaled \$4,007,862 and on September 1, 1928, the figure stood at \$3,297,721.

Included in the building program as either recently completed or under construction are the \$300,000 Tom Green county courthouse and the \$300,000 city hall and auditorium now partially completed, while the hotel facilities are being augmented by a 14-story hotel building being constructed by B. B. Hall, prominent West Texas cattleman. The site for the largest fish hatchery in Texas has been secured in San Angelo and also private interests have invested \$6000 in an airport.

There are 58 manufacturing concerns in San Angelo, employing 520 people, with an average payroll of more than \$1,000,000. The population is about 25,000.

### **Petroleum Exposition at Tulsa.**

Tulsa, Okla., October 13—[Special.]—From present indications, the International Petroleum Exposition and Congress which will open here on October 20 and run through October 29, will be the greatest event of its kind on record, being in the nature of a \$10,000,000 exhibition of the latest advances of the petroleum industry. Delegates from more than 30 foreign countries are expected. Meeting in special session at the exposition will be the American Institute of Mining and Metallurgical Engineers, the United States Bureau of Mines, the National Safety Council, the American Petroleum Institute, the American Association of Petroleum Geologists, the American Association of State Geologists, the National Gasoline Association, the Natural Gasoline Supply Men's Association and the Purchasing Agents Association.



# Comprehensive Display of Machinery and Supplies and Record Attendance Feature Southern Textile Exhibit.

[Special Correspondence Manufacturers Record.]

Greenville, S. C., October 15.

The eighth Southern Textile Exposition was officially opened this morning. With more than 200 exhibits covering every available foot of floor space in both hall and annex, this exposition establishes a record as the greatest in the history of the organization. The exhibits, too, are in harmony with the growth of the exposition and there is said to be on display the greatest collection of textile machinery, industrial equipment and supplies that ever has been assembled into one institution. More than usual interest has been aroused. Hundreds of visitors arrived ahead of the opening date and it is expected that the attendance will far exceed any previous year.

Captain W. P. Conyers, member of Assembly from Greenville county, opened the meeting by introducing Alvin H. Dean, Mayor of Greenville, who welcomed the exhibitors and visitors to "the greatest textile exposition ever held under the sun, and most certainly in Greenville," extended the aid and co-operation of all Greenville business men and interests in making their visit pleasant and productive from every angle. In closing, Mayor Dean quoted from the MANUFACTURERS RECORD in regard to wealth and textile growth in the South and possibilities for further advancement.

Response was made in behalf of the exhibitors by Henry C. Dexter of the Fales and Jenks Company, Pawtucket, R. I., who expressed the thanks and appreciation of the exhibitors and offered a brief survey of the textile industry, from its beginning to its present status in the life of the South and all the country.

Early inspection of the exhibits showed many remarkable displays, and the following mention will give some idea of their nature:

The Whitin Machine Works, Whitinsville, Mass., had on exhibition pickers, drawing frames, combers and other Whitin equipment; the Cocker Machine and Foundry Company of Gastonia, N. C., had in operation a new high speed ball warper equipped with electrical eyeboard stop motion warping from a cone creel. The Bahnson Company of Winston-Salem, N. C., showed a new type of Bahnson Humidifier. An 80-spindle automatic spooler and a high-speed warper were shown in operation by the Barber-Colman Company, Rockford, Ill., and both the Draper Corporation, Hopedale, Mass., and the Stafford Company, Readville, Mass., had on exhibition a variety of looms. Schick screw-typed balers were exhibited by the Davenport Manufacturing Company, Davenport, Iowa. The Saco-Lowell Shops, Boston, Mass., exhibited a one-process picker.

In addition to the above exhibits, which were strictly textile machinery, there was a great variety of accessories more or less adapted specifically to textile mill use. In this group comes the exhibit of the Manhattan Rubber Mfg. Co., Passaic, N. J., with such products as rubber covered rolls, baskets, rubber lined pails and pipes, transmission belting and hose; the centrifugal extractor of the Tolhurst Machine Works, Inc., Troy, N. Y., the roving cans, boxes and trucks

of the Diamond State Fibre Company, Bridgeport, Pa., the Armstrong's seamless cork cots, assembling and buffing machines of the Armstrong Cork Company, Pittsburgh; the seamless boiler tubes and pipes of the National Tube Company, Pittsburgh, and truck casters and power transmitting machinery of the Bond Foundry & Machine Company, Manheim, Pa. Under this head also come the building products especially adapted to textile mills, by the H. H. Robertson Company, Pittsburgh, the steel framing of the Steel Frame House Co., Pittsburgh, the Hires Turner Glass Co., Philadelphia, with an exhibit of corrugated wire glass and actinic glass for skylights and reduction of glare; and the asphalt shingles, roofing and paint of the Barber Asphalt Company, Philadelphia, the Tycos and the Tag systems of automatic slasher control, by the Taylor Instrument Companies, Rochester, N. Y., and the C. J. Tagliabue Manufacturing Company, Brooklyn, N. Y., mechanical and electrical counters such as loom pick, hank, finishing mill and others by the Veeder Manufacturing Company of Hartford, Conn.; a line of dial and recording thermometers, precision temperature controllers, gauges and other instruments by the American Schaeffer & Budenberg Corp., Brooklyn, N. Y.; the belt lacings of the Clipper Belt Lacer Company, Grand Rapids, Mich.; the leather and rubber belting including the Graton & Knight Leather Link Belt for short center drives, shown by the Graton & Knight Company, Worcester, Mass.; leather belting, including a tentacular belt for short drives, by the Charlotte Leather Belting Company, Charlotte, N. C.; and models of roller chains and special pitch chains by the Diamond Chain and Manufacturing Co., Indianapolis, Ind.; the silent chain drives of the Link-Belt Company, Philadelphia; the conduit material of the Crouse-Hinds Company, Syracuse, N. Y.

Miscellaneous electrical equipment included a line of reflectors and appropriate lamps, with modern lighting specifications, by Westinghouse Lamp Company, New York City; "Bull Dog" controlling and distributing equipment, including enclosed safety switches, light and power panelboards and cabinets, by Bull Dog Electric Products Company, Detroit, Mich., motors, switches and gears, by the Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa.; equipment for textile mill lighting, by Cooper Hewitt Electric Company, Hoboken, N. J.; a line of textile motors, including a totally enclosed, fan-cooled motor, and texrope drive, by Allis-Chalmers Manufacturing Company, Milwaukee, Wis., and motors and control appropriate to textile mills, by the General Electric Company, Schenectady, N. Y. The R. S. Armstrong & Bro. Co., Atlanta, demonstrated gear cutting machinery and electric welding equipment, while the Yale & Towne Manufacturing Company, Stamford, Conn., showed elevating platform and crane trucks.

Various graphite products, such as flake, belt dressing, lubricants and paint were shown by the Joseph Dixon Crucible Company, Jersey City, N. J.

The Borne Scrymser Company, New York, exhibited a process developed by them for oil-spraying textile fibres.

Ventilating and air-conditioning equipment included the exhibit by the Parks-Cramer Company of Charlotte, N. C., of a working model of a complete air-conditioning outfit with late designs in nozzle construction and a new system of humidity control; a York unit humidifier, a York heat-diffus-

ing unit, a Kroy Suspended type unit heater and a York superfine indirect radiator were shown in operation by York Heating & Ventilating Corporation, Philadelphia, while the Carrier Engineering Corporation of Newark, N. J., showed different sizes of their latest development of the Carrier Unit Air Conditioner.

Sanitary equipment for wash rooms and for supplying drinking water, was shown by the D. A. Ebinger Sanitary Manufacturing Company, Columbus, Ohio. The Flynn and Emrich Company, Baltimore, exhibited a Huber Stoker as it would be installed under a boiler, and the Plibrico Jointless Firebrick Co., of Chicago, showed its jointless, plastic, refractory furnace lining.

Bearings were shown by the Transmission Ball Bearing Company, Inc., Buffalo, N. Y., and the Fafnir Bearing Company, New Britain, Conn.

Fisher Automatic steam traps, drip pocket sediment strainers and constant pressure pumps were exhibited by the Fisher Governor Company, Marshalltown, Iowa.

Reeves Pulley Co., Columbus, Ind., exhibited variable speed transmission with hand, electric automatic, mechanical automatic and electric push button remote control for regulating the speed of textile machines.

The Bristol Company of Waterbury, Conn., exhibited recording thermometers and pressure gauges, counters; recording and indicating tachometers; automatic temperature control equipment; recording ammeters, voltmeters and wattmeters, safety set screws and socket head cap screws.

Yardage scales, towel scales and automatic computing scales were shown by the Toledo Scale Co., Toledo, Ohio, in an exhibit featuring weighing and measuring equipment applicable to the textile industry.

Iron and bronze valves, standard, medium and extra-heavy, were shown by the Jenkins Bros., New York City; iron, steel and bronze valves, boiler mountings, oil and grease cups and other engineering specialties, were shown by the Lunkenheimer Company, Cincinnati.

The exhibits included a variety of chemicals used in textile processes. The Mathieson Alkali Works, Inc., New York City, showed Mathieson caustic soda, soda ash, liquid chlorine, bleaching powder and aqua ammonia, while the J. B. Ford Company, Wyandotte, Mich., also showed a line of textile alkalies, and a display of silk, rayon and cotton hosiery, and other fine goods, all of Southern manufacture and all made by the use of the J. B. Ford chemicals.

The Permutit Company, New York City, manufacturers of both rapid and slow regenerating zeolite water softeners and other equipment for chemically treating water showed a small working model of water softening and filtering equipment.

Bleaching in the kier was demonstrated by the Roessler and Hasslacher Chemical Company, New York City. It is claimed for this process that the saving in labor and chemicals by boiling-off and bleaching in one operation makes it feasible to use the peroxides as bleaching agents.

While most of the displays were of machinery and equipment, finished textile products were shown by the American Bemberg Corporation, makers of Bemberg yarn, and by the Celanese Corporation of America. The former showed knitted fabrics including tricot, milanese and circular knit underwear, shawls, full-fashioned hose, gloves, ties and many more knitted articles; chiffons, voiles and the like. The latter displayed street dresses made from Celanese satins, taffetas, twills, transparent velvets, etc.

The Texas and Pacific Railway Company, E. F. Mitchell, chief engineer, Dallas, Texas, has awarded contract to the United Iron Works, Inc., Kansas City, Mo., to furnish and erect twelve 80,000-barrel oil tanks in the vicinity of Big Spring, Texas.

### **\$2,500,000 Cement Plant for Kentucky—Will Have Annual Capacity of 1,500,000 Barrels.**

Construction will begin within 30 days on a proposed \$2,500,000 cement plant near Frankfort, Ky., for the Kentucky Cement Corporation, according to C. Frank Dunn, executive secretary of the Kentucky Progress Commission, which was instrumental in bringing the plant to Kentucky. The new corporation, with a capital stock of \$2,500,000, all of which has been subscribed, has exercised options on the Baker distillery property at the Forks of Elkhorn, a short distance from Frankfort, and expects to have the plant ready for operation early next spring.

Officials of the corporation are purchasing machinery and equipment for an annual production of 1,500,000 barrels, the product to be known as a super cement, which is said to have an early strength capable of revolutionizing the cement industry. The semi-dry process of manufacture will be used and Kentucky materials and labor will be employed, as the site of the plant is said to be excellently located as to materials, labor, railroad and river facilities.

F. B. Drew of McAlester, Okla., is president of the corporation and W. D. McCammish, secretary, the latter having opened offices in Frankfort. The Hunt Engineering Company, of Kansas City, Mo., is handling engineering details. Governor Flem D. Sampson of Kentucky, is chairman of the Kentucky Progress Commission, which has made a contract on the part of the state with the cement company, by which the plant will furnish cement for state purposes.

### **\$5,000,000 James River Bridge to Be Opened—Main Structure Nearly Five Miles Long.**

Norfolk, Va.—The cities of Norfolk, Portsmouth and Newport News will join the James River Bridge Corporation, of which Henry H. Little of this city is president, in celebrating the opening of the new \$5,000,000 bridge across the James River from Newport News to the south side of the stream, marking the first physical connection between the north and south sides of the James River east of Richmond. Arrangements for the formal opening of the bridge are now being made and November 17 has been set as the date of the celebration, in which Governor Harry Flood Byrd, Henry G. Shirley, chairman of the State Highway Commission, and other prominent people will participate.

Rapid progress has been made on the highway approaches to the bridge on both the Newport News and Isle of Wight sides, while the two smaller units of the project—the Chuckatuck Creek and Nansemond River bridges—were opened sometime ago. The James River span is of the trestle type, with a 250-foot lift span over the channel of the river. It is supported by concrete piles and deepwater piers, the latter being used as an anchored foundation for the superstructure. The piers are carried on wood piling and were built in cofferdams having walls of a single row of heavy sheet piling, into which 15 feet of concrete was poured as a bottom seal. The structure approximates 5 miles in length, while the Chuckatuck Creek and Nansemond River bridges are each about 4000 feet long. In addition to the bridges, the project involved the construction of more than 10 miles of interconnecting highways, which conform to state standards and serve as approaches to the bridge units, connecting them with state and national highways.

The bridges were designed by J. E. Greiner and Company, of Baltimore, with H. T. Campion of Philadelphia, serving as consulting engineer. The Turner Construction Company, of New York, is the general contractor.



## Power Leaders in Conference Emphasize South's Natural, Developed, and Human Resources.

[Special Correspondence Manufacturers Record.]

Atlanta, Ga., October 11.

Power in a dozen different aspects, rather than confined alone to the mechanical phase, was considered at the fourth convention of the Southern Appalachian Power conference here this week, with an attendance of business and professional men and industrial leaders in many varied lines. Significant in the discussions, debates and speeches was recognition by visitors from other sections of the fact that the South is now the land of promise for capital and labor, and also for promotion of religion and education and development of the fine arts.

Indicative of both the development of the South and the wide range of achievements by Power was a display of the interior of a model country home, thoroughly equipped with electrically operated labor-saving devices for the housewife in city or country. This exhibition was put on by the American home department of the Fifth District Federation of Women's Clubs, and was in charge of Mrs. Newton C. Wing. Mrs. Kate Green Hess is president of the Georgia Women's Federation. The women's recognition of the value of Power to the women of the land impressed the power men greatly.

And so in the addresses were emphasized the power of the spirit of the South, the power of the American labor supply in the South, the power of the South to multiply capital invested in that section, the power of Southern influence for good in all the land—the power latent and active in the South for the development of prosperity and civilization. More on the mechanical side, Governor Hardman was asked to speak on "Electrification of Farms and Rural Sections." C. W. Appleton, vice-president of the General Electric Company, was given the subject, "The Manufacturer's Interest in Farm Electrification and Production of Suitable Electrical Equipment for Farms." "Small Hydro-Electric Plants for Farms and Rural Sections" was the topic of E. J. Sanderson of the James Leffel Company, and "State Industrial Surveys, Their Value to the Community" was the theme assigned to Governor Bibb Graves of Alabama.

In a practical analysis of the South, Charles O. Yoakum, executive vice-president of the General Securities Corporation of Birmingham, found that "the security behind the South" is not alone in natural or man-made resources, but also in "human" resources, and he quoted Richard H. Edmonds, editor of the MANUFACTURERS RECORD: "If we would rightly understand the progress under way in the South, we must get some background from which to view the situation—that can only be by the study of the people of the old South." And so, in the present, Mr. Yoakum added, "the mountain people of the South are probably our greatest industrial asset, because they are characterized by reliability, industry, tractability and high intelligence; their hereditary affinity for industrial pursuits is shown by the facility with which they have turned to the textile industry and our industrial plants generally."

With "The South As An Investment" as his topic, Mr. Yoakum turned early to "human resources" and showed that the people of the South "ever have been and are today predominantly English, Scotch-Irish and Welsh in origin," and it "is still their proud boast that they are red-blooded Americans, with over 95 per cent pure Anglo-Saxon." Through early practice of profitable agriculture and the accumulation of wealth by the people, "a new culture arose in the South, rivalled only by that of the European courts." The "human

resources" of the South form a cornerstone in its foundation.

"As to natural resources," Mr. Yoakum continued, "no like area in the world combines as does the South such advantages as its equable climate, its abundant rainfall, its broad and swift rivers, turning the wheels of its industry and transporting its commerce to the sea; its hills, abounding in minerals, and the fertility of the soil and its valleys. With this God-given wealth and indomitable will, the people of the South have pulled themselves up from sectional poverty and wrought a new civilization based on agriculture and industrial development."

Of power resources, he said that "the present developed waterpower of the South is a little less than 3,000,000 horsepower, but the undeveloped waterpower available 90 per cent of the time in the South is nearly 5,000,000 horsepower, with about 8,500,000 horsepower available 50 per cent of the time."

Under the head of agriculture, he touched on crops, dairying, livestock and so on; under man-made resources, on railroads and highways, ports, inland waterways and education, saying, on this last line, that "there is less illiteracy in the remote mountain regions of the South than in New York City." Industrial progress and the manufacture of paper were discussed. Then, under the head of "Yield," Mr. Yoakum said:

"Southern investments offer a uniformly higher yield than those of the Eastern section of the country. The reason for this is simple. It has to do with the old rule of supply and demand. Due to tremendous growth of recent years, the South has stood and continues to stand in need of such a considerable amount of capital as to far exceed its supply. Consequently, it has been necessary for us to go to the money centers of the East and the North for funds to carry on our development. While our aggregate borrowings have run into the billions, individually the loans we have required have been small.

"It is a well known fact in banking circles that it is easier to obtain \$1,000,000 at a low rate of interest than it is to obtain \$100,000. The money centers of the country have not been as sure of the South as they have been of other sections. The comparative newness of Southern development, and the distance of the South from the money markets have caused money rates to be higher. These things, of course, are being overcome as the South becomes richer and creates by the help of outside capital more and more wealth to lend to itself and more thoroughly sells itself to the financial centers. The fact remains, however, that sound investments in the South are as a whole paying higher yields than the general average.

"As to the marketability of our securities, the ever increasing number of security issues originating in the South is creating a more ready market for Southern securities throughout the country. The increasing familiarity of Southern people with their own enterprises and their increasing wealth and buying power has helped to create this market, and the plowing back of Southern money for further Southern progress. This interest and belief in these things is further evidenced by the fact that so many of the investment banking houses are rapidly covering the Southern field."

In conclusion, Mr. Yoakum did not advocate indiscriminate purchase of Southern investments merely because they come from the South, but on the whole he believed that the South today offers greater opportunity for investment than "any other equal area in the world."

The general well-being of the whole country, as Mr. Appleton saw it, is enhanced by those things that tend to make farm children willing to remain on the farm, and which tend to make the farmer satisfied to have his home on the farm, rather than in some nearby city. Electric service with all that it offers, he added, is the greatest element at the present

time that promises to bring this contentment to rural people. He then said:

"Since the spring of 1925, there has been increasing interest throughout the country in farm electrification, and this has quickly resulted in practical co-operation between the light and power companies, the farm organizations, the state colleges, the electrical manufacturers and the manufacturers of farm machinery.

"It was apparent that it would not be economical to motorize every piece of equipment, most of which would have a very low annual load factor. The portable farm motor was the solution, for with it some 20 or 30 farm chores could be taken out of the field of hard manual labor or of gas engine drive. This unit is furnished with 3½, 5 or 7½ horsepower single-phase motors with control, all mounted on a welded steel truck of convenient design. Other types and sizes of motors are available in this portable form. By fitting the farm machinery with pulleys suitable for high speed belt drive, such work as corn shelling, wood sawing, grain elevating, hay hoisting, feed grinding, fruit and vegetable grading, silo filling and some 20 other chores fall within the range of the portable farm motor.

"The small motors such as are used on washers, pumps, etc., have prices today approximately half of what they were in 1920; wire and wiring devices are 25 per cent cheaper. The 5-horsepower motor used so generally on electrified farms for general work is approximately 30 per cent lower in price than in 1922, and further, is 10 per cent lighter in weight, but no less efficient. The flat iron we sold for \$7.50 a few years ago sells for \$3.95 today. The incandescent lamp is 55 per cent lower in price and its efficiency has been increased over 50 per cent since the World War."

But there is still untouched the whole question of field work which accounts for the greater part of the 16,000,000 horsepower hours annually used on farms, said Mr. Appleton. Horses today are doing 11 times as much work as electricity on farms. Engines are doing six times as much as electricity, and the only power less used today is that of windmills.

"With only 600,000 farms using electricity out of 6,000,000, there has not yet been enough accomplished so that anyone can lie back on the cars and point with pride," he continued. "We are only just arriving at the time where we can say we know what is needed; that we know the way to go. Rather we should all redouble our co-operative efforts, for we are working toward making electricity available to the other millions of people in the United States."

The officers elected were as follows: Mercer Reynolds, president; L. O. Crosby, Picayune, Miss., vice-president; Wilbur A. Nelson, University of Virginia, secretary, and E. Y. Chapin, Chattanooga, treasurer. Joseph Hyde Pratt, Chapel Hill, N. C., was named chairman of the executive committee, and Mr. Nelson vice-chairman. Other members of the executive committee are: F. H. Abbott, of the Georgia association, Atlanta; H. B. Holroyd, Louisville, Ky.; Herbert Markle, Bluefield, W. Va.; J. G. K. McClure, Asheville, N. C.; Frank P. Morgan, Montgomery, Ala.; Thorndike Saville, Chapel Hill, and J. A. Switzer, Knoxville.

### Utilities Company May Extend Service in Northwest Arkansas.

The Southwestern Gas and Electric Company, of Shreveport, La., which acquired and began to operate on September 1 electric utilities in 27 towns in Northwestern Arkansas, with ice utilities in two towns and water service in one, is investigating the properties with a view to possible extensions. Its executives and engineers are visiting the properties to determine plans most practicable for making the service more efficient. Communities served by these utilities comprise a population of 40,000 served with electricity, 6200 served with water and 7200 with ice.

### Florida Storm Area Rebuilds on Basis of Sound Construction Standards.

Intensive construction of much more substantial nature than that which succumbed to the recent storm is reported to the MANUFACTURERS RECORD in communications from sections in the affected area which now are working to replace the structural and other losses inflicted upon them. As a majority of the demolished buildings were of inferior construction, or certainly were inadequate to meet a stress much above the normal, all Florida has taken to heart the lesson learned and more substantial edifices hereafter will establish the standard.

As L. Gilbert Schreffler of Miami, structural engineer, puts it:

"A general survey of the area affected reveals damaged buildings in the construction of which were used steel, concrete, brick, tile blocks and wood. Conversely, there are innumerable buildings practically undamaged into the construction of which entered exactly the same materials. Why? Because the undamaged structures were constructed carefully. Seventy-five per cent of the damage to buildings could have been prevented, had they been carefully designed and supervised, no matter what material was used in the execution of the work."

In general, he concludes, a structural survey of the damaged section evokes arraignment of construction methods, rather than of materials—"Safety in construction depends not so much on what one uses, but on how one uses what he has," as Mr. Schreffler puts it.

So with this thought prominently in mind, cities and lesser communities have started to rebuild.

From Lake Worth, E. T. Greenleaf, secretary of the Chamber of Commerce, writes:

"Lake Worth is working as never before toward reconstruction of its once beautiful little city and before many weeks, we believe, we shall be able to care for our winter tourists as well as before. Every available man is busy, and Lake Worth can take care of its own work very well without outside men to help.

"Such buildings as are located in the first zone and damaged to the extent of 50 per cent will not be allowed to rebuild, and in their place will be erected such structures as will be a credit to any first-class city."

Such is the spirit in a community in which 600 homes are reported to have been destroyed, 1500 homes damaged, 50 business places wiped out and 200 business places damaged, with heavy losses to municipal buildings and utilities.

From Okeechobee comes word that the Red Cross and American Legion are giving help, and the people are preparing to rebuild and are endeavoring to plant crops this fall.

Opinions prevail that, if the county roads, bridges, dykes and drainage ditches cannot be repaired, the rehabilitation of homes in that county would be largely futile. At the present time, the county is intensively rebuilding in a temporary manner a few of its most important roads and bridges. The future reconstruction program, it is reported, will depend on the success of the citizens committee in raising funds for that purpose.

Okeechobee county is reported to have suffered damage to roads and bridges in excess of \$25,000, in addition to several thousand dollars of damage to the courthouse. A few months ago, the county issued refunding bonds and began to curtail expenses as much as possible; now, it asks through a citizens committee for funds to be contributed for the purpose of reconstructing public works. A sub-drainage district dyke in the county was severely washed and unless it is repaired at once, and from contributed funds, it is feared that several thousand acres of most productive land cannot be cultivated this year.

In an analysis of the damage, together with criticism of certain materials used and construction principles permitted



In the storm area, J. A. Rapp, representing the National Lumber Manufacturers Association, says:

"Small masonry units, insufficiently supported; flimsy construction, where materials were skimmed; tile roofing and sheet metal tacked on to either wood or metal framing, showed themselves absolutely unsuited to construction requirements against excessively high winds. Well built houses of both lumber and masonry construction and modern office and hotel structures withstood the storm, but in additions built since original construction and in those portions of these buildings in which unsuited materials and improper construction were permitted, the storm wrought havoc."

In search of "the good" which every "ill wind" is traditionally said to bring, an influx of unskilled workmen from the outside threatened almost to overpopulate the West Palm Beach area, moving Mayor Oaksmith and the police and labor officials to prompt action. Orders to "pick up" all unemployed idlers were issued and in short time more than three score such men had been told to leave town at once. E. A. Stephenson said that 300 newcomers, all "broke," had tried without avail to get work, and also he had information that truckloads and a trainload of other labor aspirants had been enlisted in other parts of Florida and in Georgia to descend on the West Palm Beach section.

Wage scales announced in agreement with the Building Trades Council include: Plasterers and masons, \$13 a day; electricians, \$11; iron workers, \$11; plumbers, \$12; roofers, \$11; painters, \$11; blacksmiths, \$11; lathers, \$10; hoisting engineers, \$10; carpenters, \$9; common labor, building construction only, white, 45 cents an hour and negro 40 cents; all other common labor, 30 cents.

"Health conditions in Palm Beach county and the surrounding disaster area are excellent," says a statement by city, state and national health officials. "There has been no outbreak of typhoid, malaria, influenza or any other communicable diseases and we do not anticipate any."

### Shippers of Citrus Fruits Aided by New Terminals in the North.

Tampa, Fla.—The recent construction of new terminals in Northern cities will be a big aid to citrus growers of Florida, according to E. D. Dow, traffic manager of the Florida Citrus Exchange. The congestion in large terminals of the North during the height of the season has offered a serious problem in former years but new terminals have recently been erected in Boston, Philadelphia and New York which will go a long way toward the solution of the problem. Another terminal is under construction in St. Louis, Mo., and one in Pittsburgh. The completion of the Boston terminal will mean more to shippers of Florida fruit, in the opinion of Mr. Dow, than any other railroad improvement since the completion of the New York terminal. It will afford ample space for display of citrus fruits and sale in any quantity.

### \$400,000 Improvements to Library of Congress.

Plans for proposed improvements to the Library of Congress, Washington, D. C., so far authorized, call for the addition of 3 decks and the reconstruction of 1 deck of the southeast and east book stacks. These will be of steel framing with plate steel floors covered with cork carpet. A number of stacks will be located in the center of the two lower decks and study rooms enclosed with glass and steel partitions around the exterior walls of the upper deck. The area covered by one deck of the southeast stack is approximately 10,345 square feet and of the east stack, 985 square feet. These changes will involve the installation of new elevator machinery for 3 elevators and a new heating and ventilating system. The cost is estimated at \$400,000. Pierson and Wilson of Washington, are the architects, and W. C. Bond is superintendent of the Library building.

### Increased Uses of Cotton Goods.

A variety of typical uses of cotton fabrics for industrial purposes and for household and wearing apparel is being shown in the cotton utilization exhibit arranged by the Department of Agriculture for the National Cotton Show and the Tri-State Fair at Memphis, Tenn., which opened October 13 and closes October 30.

The New Uses Section of the Cotton-Textile Institute, Inc., co-operated with the Department of Agriculture in preparing the exhibit of cotton fabrics. The display includes a number of new fabrics as well as novel uses of cotton cloth. The exhibit is grouped under a canopy of colorful awnings made of cotton. One section shows industrial uses of cotton textiles and the other half is devoted to household and apparel. The new designs and new styles in wearing apparel for women and children attract attention and one of the features of children's clothing is a sun suit developed by the Bureau of Home Economics.

Among the household textiles cotton bed sheets and pillow cases and cotton rugs are featured. Approved furnishings for the modern bedroom are shown in miniature to illustrate the advantages and desirability of cotton sheets that are 108 inches long.

A miniature cotton mill in operation is a feature in the section of the exhibit devoted to industrial uses. This section presents the use of cotton traffic guides, cotton in the manufacture of gears, loom pickers, fabric belts, and airplane propellers. Co-operating with the Department of Agriculture are the Department of Commerce, the Cotton-Textile Institute, Inc., and the Textile Bag Manufacturers Association.

General Walker D. Hines, head of the Cotton Textile Institute, after making a recent extensive trade survey, finds that:

"More cotton dresses are being worn;

"More cotton dresses were made and sold during the summer of 1928 than in 1927;

"Retail sales of cotton piece goods the past summer were larger in volume than in 1927;

"Retail stores have been advertising fine cotton goods more extensively, and that retail store advertising is a significant index to the trend of consumer acceptance."

And in conclusion General Hines reports that "there is a confident feeling that 1929 will be a big cotton year."

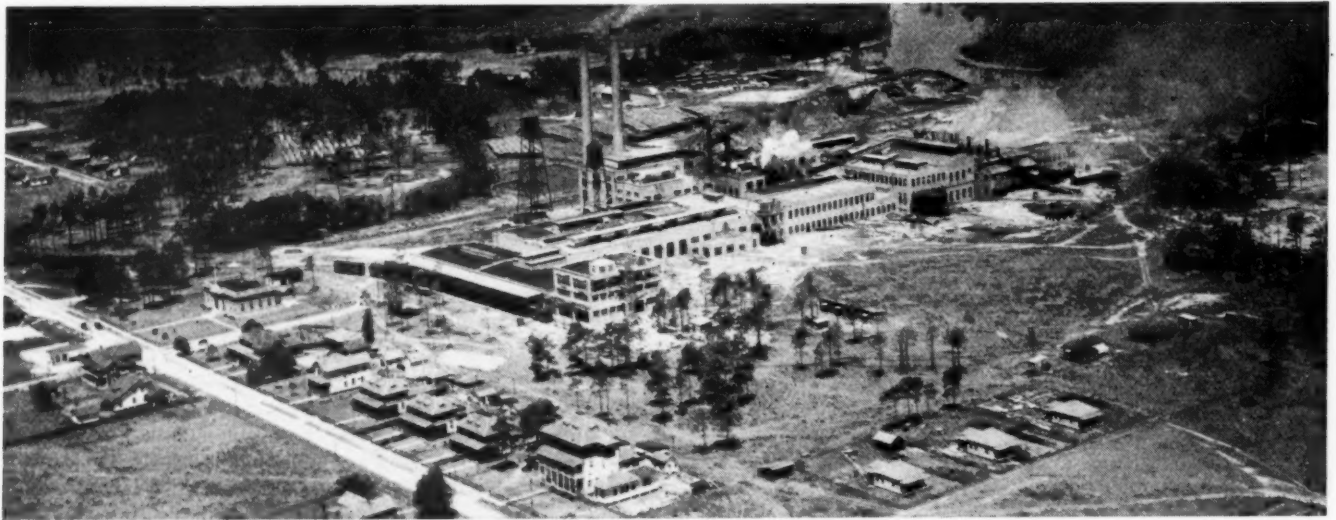
### International Conference on Bituminous Coal.

More than 100 speakers representing 12 countries are tentatively listed to present papers at the Second International Conference on Bituminous Coal to be held under the auspices of the Carnegie Institute of Technology in Pittsburgh, November 19 to 24, 1928, according to a preliminary program announced by President Thomas S. Baker.

According to the plans, 10 major subjects are listed for discussion in addition to the addresses of a general nature to be presented by Lord Melchett (Sir Alfred Mond), the British capitalist; Georges Claude, the eminent French scientist; Professor Fritz Hofmann, the German scientist who makes synthetic rubber from coal; Dr. F. zur Nedden, of Germany; F. G. Tryon of the U. S. Bureau of Mines, and others.

Major subjects expected to be discussed include "Pulverized Fuel," "Gas Production," "Liquefaction and Hydrogenation," "Fertilizers," "Origin, Composition and Classification of Coal," "High Temperature Carbonization," "Combustion in Furnaces," "Purification and Cleaning," "Tars and Oils," and "Low Temperature Processes."

The chief purpose of the coming conference will be to present the results of recent studies of coal that have to do with improved methods of utilization and combustion. The list of speakers includes the world's leading authorities on the latest developments in improved utilization of coal as a source of energy and power.



THIS INTERNATIONAL MILL AT MOSS POINT, MISS., HAS A DAILY CAPACITY OF 100 TONS OF KRAFT PAPER.

## A Great Program of Construction South by the International Paper Company.

MILLS IN OPERATION IN ARKANSAS, MISSISSIPPI AND LOUISIANA—BUILDING \$5,000,000 PLANT IN ALABAMA.

Construction is under way at Mobile, Ala., on the \$5,000,000 kraft paper plant of the International Paper Co., which has in operation in the Southern States four mills with a capacity of more than 530 tons of kraft paper and board daily; the company is thus the country's largest manufacturer of that product.

In the southern part of Arkansas at Camden, at the head of navigation on the Ouachita River, a tributary of the Mississippi, the International has in operation a mill with a daily capacity of 150 tons. It is the state's first paper mill and was completed at a cost of more than \$5,000,000 last year. At Camden also, the company is constructing a paper bag plant which will have a capacity of over 100,000,000 multi-wall cement bags a year. It is being built in conjunction with

the paper mill and will use annually more than 30,000 tons of kraft paper in the manufacture of bags. The bag plant will be operated by the George & Sherrard Paper Co., a subsidiary of the International, and owning a license to make multi-wall cement bags under the Bates' patents.

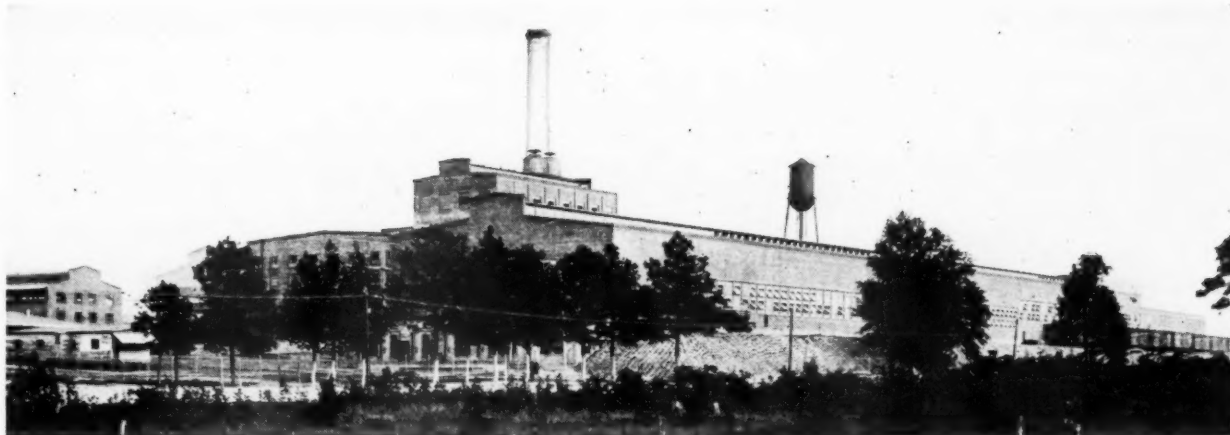
One of the company's two plants at Bastrop, La., is pictured herewith, also the recently acquired plant of the Southern Paper Co., at Moss Point, Miss. The Moss Point mill is located on tidewater on the Pascagoula River in the southeastern corner of the state. It has three machines with a daily capacity of 100 tons of kraft paper; the buildings are of steel, concrete and brick construction, and the plant is modern in every respect.

Machinery is now being installed in the Bastrop paper bag



ONE OF THE TWO INTERNATIONAL PLANTS AT BASTROP, LA.





CAMDEN, ARK., MILL OF INTERNATIONAL PAPER CO.—DAILY CAPACITY 150 TONS.

plant, which is to be owned and operated by the Continental Paper & Bag Corporation, an International subsidiary. It is being built in connection with one of the two kraft mills, and will use a part of the product of that mill in the manufacture of 35 tons of grocery bags daily. The International Company now ranks as one of the largest manufacturers of paper bags in the world.

#### Sub-Contracts on \$2,000,000 D. A. R. Building.

Washington, D. C.—The George A. Fuller Company of Washington and New York, general contractors for the proposed \$2,000,000 building in Washington for the Daughters of the American Revolution, Mrs. Alfred J. Brousseau, president-general, has awarded the following sub-contracts:

Excavation—William Meyer, Baltimore, Md.  
Limestone—Rockwood-Alabama Stone Company, Rockwood, Ala.  
Piles—Raymond Concrete Pile Company, New York.  
Reinforcing steel—Concrete Steel Company, New York.  
Steel erection—Charles P. Campbell, New York.  
Structural steel—Barber and Ross, Inc., Washington.

John Russell Pope of New York, is architect for the building and Mrs. Russell William Magna, of Holyoke, Mass., is chairman of the finance committee for the D. A. R. organization.

#### Work on 590-Mile Texas Pipe Line.

Work on the 590-mile pipe line from West Texas to Port Arthur for the Texas Pipe Line Company, of Houston, will begin within a few days, according to Smith Brothers, Inc., of Dallas, contractors for the project. The line from Port Arthur to Humble will be laid with 10-inch pipe; from Houston to Crane with 12-inch pipe, and from Crane to Monahans with 10-inch pipe. The Eastern section from Port Arthur to Humble, a distance of approximately 78 miles, has been sublet by the general contractors to I. C. Little of Fort Worth, who will do all work in connection with that portion of the line. Contract for unloading, hauling and stringing the pipe from Humble to Monahans has been awarded to Dunn Brothers of Fort Worth.

The remainder of the work from Fort Worth to Monahans will be handled by the Smith Brothers forces, consisting of 5 complete pipe line outfits. One construction gang will begin at Houston and work west; one at LaGrange, also to work west; one at Junction City to work east; one at the Pecos River crossing south of Rankin, to work east, and one at the same location to work west. The general contractors have opened offices in the Littlefield Building, Austin, from which they will handle details for the entire project. Charles S. Foreman will have general supervision of the operation, while J. F. Minter will supervise that section of the work east of San Marcos and C. H. Campbell that portion west of San Marcos.

#### Convention of Intracoastal Canal Association— Organization Pushing Plans for \$16,000,- 000 Waterway.

Baton Rouge, La.—An official call for the twenty-fourth annual convention of the Intracoastal Canal Association of Louisiana and Texas in this city on November 9 and 10 has been made by C. S. E. Holland of Houston, president of the organization. Reviewing progress in securing rights-of-way, Mr. Holland states that for more than 2 years the association has been engaged in the task of meeting the Government's requirements for the construction of the canal from the Mississippi River to Corpus Christi, Tex., on a basis of a 9-foot depth and a bottom width of 100 feet. The estimated cost is \$16,000,000.

All rights-of-way for the Plaquemine route by way of Morgan City, La., to the Texas line have now been obtained and papers relative to the conveyance of properties are in the hands of the United States District Attorney for investigation. It is thought construction will soon begin on this important section of the canal. Satisfactory progress has also been made toward the acquisition of rights-of-way on the section from the Sabine River to Galveston Bay and on the Harvey route from New Orleans, La., to Morgan City, while a survey is being located for the section from Galveston, Tex., to Corpus Christi. There is now available for construction work, having been allotted to the project by the chief of engineers, approximately \$2,000,000 for Louisiana and \$1,300,000 for Texas. Bids for construction are expected to be called within a few weeks.

A program of unusual interest is being prepared for the coming convention, it is said, and speakers of national reputation will be in attendance. All citizens interested in the construction of the proposed canal are invited to attend the convention and names of delegates appointed should be sent to Roy Miller, active vice-president of the association, Houston.

#### \$1,000,000 Compress Completed at Memphis.

Memphis, Tenn.—The new \$1,000,000 plant near Hollywood of the Tri-State Compress Company, Memphis, has been completed, construction on the first building having been started in May, 1927, and on the second in May, 1928. The warehouse is modern with a storage capacity of 80,000 bales of cotton and covers a ground area of 26 acres. The structures were designed by Robert J. Cummins of Memphis and Fort Worth, Tex., and erected by the R. E. Wilson Construction Company, Memphis. A third building to cost about \$500,000 is expected to be started next fall. W. L. Oates is president of the Tri-State Compress Company.

### \$450,000 Office Building for Pine Bluff.

Pine Bluff, Ark.—Officials of the Simmons National Bank plan to organize a company for the construction of an 11-story office building and a 2-story store here, to cost about \$450,000. The structures will be of reinforced concrete and the former will contain 176 offices of various sizes in addition to space to be occupied by the bank. Eugene John Stern of Little Rock is the architect.

### \$500,000 Shreveport Auditorium Let to Contract.

Shreveport, La.—General contract for the erection of the proposed \$500,000 auditorium here has been awarded by the City Commission Council to the Glassell-Wilson Company of Shreveport, on a bid of \$435,555, the council accepting the alternate bid which provided for an increase of 750 in seating capacity. Contract for electrical work was awarded to the Cahn Electric Company of Shreveport, at \$27,050. The building will be two stories, of reinforced concrete, brick and steel, and will seat about 3000. Jones, Roessle, Olschner and Weiner, are the architects, and Seymour Van Os, associate architect, both of Shreveport. It is understood that contracts for plumbing, heating and ventilating will be awarded after January 1.

### 105-Room Addition Completed for Hotel at Corpus Christi.

The New Nueces Hotel Company has recently completed a 105-room annex to the Nueces Hotel at Corpus Christi, Texas, bringing the total number of rooms in the hotel to 305, of which 225 have baths. The annex is equipped with combination tub and shower baths, and circulating ice water system. It is 6 stories, of reinforced concrete and face brick with stone trim, to correspond with the original building, and constitutes the third wing of the hotel. Last year an engine room, ice plant and laundry were built, the mechanical building being connected with the main structure by a concrete overhead bridge. The old building has been redecorated, several baths added and the lobby refurbished. A sun parlor faces Corpus Christi bay overlooking a garden of shrubs and palms. Plans and specifications for the annex were prepared by Adams & Adams, San Antonio, and the general contract executed by W. C. Thrailkill of the same city. Tom Moore is the manager.

The principal items of construction and equipment were awarded as follows:

**Bedding**—Sealy Mattress Company, Houston, Tex.  
**Carpets**—Bigelow Hartford Carpet Company, New York.  
**China and silver**—T. M. James and Sons, Kansas City, Mo.  
**Draperies**—Marshall Field & Co., Chicago.  
**Electrical fixtures**—A. Martin Wright Electric Company, San Antonio.  
**Furniture**—Sligh Furniture Company and Mueller Furniture Company, both of Grand Rapids, Mich., and the Valentine Seaver Company, Chicago.  
**Kitchen equipment**—Huey & Philp Hardware Company, Dallas, Tex.  
**Laundry equipment**—American Laundry Machinery Company, Cincinnati.  
**Painting**—W. L. Craig Company, San Antonio.  
**Pillows**—Emerich Company, Chicago.  
**Plumbing**—A. H. Shafer, San Antonio.  
**Plumbing fixtures**—Crane Company, Chicago.  
**Steel beds**—Simmons Company, New York.  
**Tile**—Kirkwood & Wharton Company, San Antonio.  
**Wiring**—Smith Electric Company, Corpus Christi.

### New Concern to Develop Inventions.

Dallas, Tex., October 13—[Special.]—The Associated Factories Corporation, a new business enterprise organized to serve a constructive purpose in the field of industry and science, is announced here at the home office of the organization. The new concern offers facilities for developing inventions, or processes, from the crude idea to the delivery of the finished product into the hands of the ultimate consumer.

The association has a department to deal with legal requirements, such as obtaining and protecting patents; a technical staff for perfecting and developing mechanical or scientific devices or processes; production department, which, under contract agreements with manufacturers, will produce the finished product in quantity, and a national sales organization for distribution of finished products. The inventor may share in the exploitation development of his invention on a royalty basis, or sell it to the corporation, or permit the latter to act as broker.

The personnel includes Judge John Spellman, a veteran in patent practice, and a group of technical experts, bankers and business men of the Southwest. A branch office for legal business and patent research has been opened in Washington, and sales offices will be opened in strategic centers. Adequate financing has been provided, according to W. M. Whinton, president of the corporation, to handle meritorious inventions which may be submitted.

### \$1,159,700 Contract for Foundation of \$17,000,000 Building.

Washington, D. C.—Contract for the construction of the foundation for the new \$17,000,000 building here for the Department of Commerce has been formally awarded by the Treasury Department to the Consolidated Engineering Company of Baltimore, at \$1,159,700. The work will involve driving approximately 12,000 piles to support a 5-story and basement building, 1030 by 350 feet. York and Sawyer of New York, are the architects; Edw. H. Bennett of Chicago, is consulting architect.

### New Type Cars for Houston Street Railway.

Houston, Tex.—Two new street cars specially designed by the St. Louis Car Company for speed, low cost of operation and large passenger capacity, have been ordered by the Houston Electric Company for service here. The cars were designed by C. O. Birney, engineer for Stone and Webster, Boston, and will be approximately half as heavy as the one-man cars now in use.



NEW NUECES HOTEL, CORPUS CHRISTI, TEXAS.



## INDUSTRIAL PROMOTION AT MIAMI.

### How Local Interest Has Been Stimulated and Pessimism Turned Into Prosperity.

By S. E. FROST, JR., Miami, Fla.

When a city finds itself with more than 200 infant industries, each struggling for a place in the market that is world-wide; when this city becomes cognizant of an immediate trade area absorbing more than \$700,000,000 worth of commerce from the United States, and when this same city realizes that its possible trade area, a large part of which is still virgin territory, is dealing with the United States each year in a sum exceeding \$1,766,000,000, it is high time that its chamber of commerce concern itself actively with industrial development. Old policies must be discarded and the entire outlook must be focused on a new objective. Miami is a case in point.

From the beginning tourists have held the center of the stage in Miami. Industrial and agricultural development has been a secondary consideration. Now a new Miami is being heralded abroad—a Miami of industry, a 12-months payroll, a developing back-country that can produce enough fresh vegetables to feed the world, a substantial Miami to which all classes of men may come assured of a livelihood.

The Miami Chamber of Commerce has earnestly attacked the problem of industrial promotion and already results are to be counted in several figures; already a new spirit has entered into Miami's industrial life and thinking; already factories of major importance are in the process of establishment.

For a time, Miami staggered under the economic load dumped on it by the real estate deflation following the "boom" and by the hurricane of September, 1926. But the Chamber of Commerce felt that the fundamental values of Miami were untouched. A remedy for the situation would be "to sell" Miami to Miamians—"to Miamiaze." The best way to accomplish this was seen to be that of supplying employment and thereby putting money in the pockets of all the people.

Furthermore, however attractive Miami might be as the location for national industry, and however many such organizations might decide to locate here, the Chamber of Commerce realized that years would be necessary for their establishment and the turning of the first wheels. Meantime, the problem of Miami was acute. The city could not wait for years. Something had to be done at once. Stimulation of those industries already established was adopted as the first step. Here were more than 200 small industries, employing a few people and struggling to keep the machinery running. Stimulate these industries and more people would be employed, more money put in circulation, and a long stride would be made along the road to economic stability. Above all, it was realized that large industry seldom goes where support of already established industry is lacking. Consequently, keen support of local industries must be promoted. So, the Chamber of Commerce inaugurated a campaign extending over one week, adopting as its slogan, "Buy and Use Miami Made and Miami Grown Products."

The campaign opened with a dinner served to a group of Miami's leading citizens and consisting of Miami made and Miami grown products. The waitresses were Miami girls, wearing Miami made uniforms. And the guests were enlisted as speakers pledged to go before every public gathering in the city during that week and present the campaign, urging that Miami people support Miami manufacturers and growers. A great publicity campaign was planned and executed. The results have been great and significant. Out of the campaign has grown a permanent exhibit of Miami made products, at which 125 Miami manufacturers are showing their wares, ranging from caskets through garments, beverages, furniture, to mattresses, paints, foods, and so on. It is, indeed, an

imposing array for visitors as well as for Miamians. Virtually without exception Miami manufacturers report that their business has been increased. There is more employment. Local manufacturers have received numerous orders from people and dealers out of the city and out of the state. One manufacturer is shipping a full carload of his product to Chicago. Others find their business growing rapidly and are looking for additional funds to assist them in expansion.

All this has generated a new spirit in Miami's industrial life. Optimism is taking the place of pessimism. New enterprises are being launched along conservative, sound lines. Outside interests are looking to Miami with intent to invest here. The City Commission has appropriated \$30,000 for the establishment of an industrial department to work in co-operation with the industrial department of the Chamber of Commerce, and other funds will be available when this amount is exhausted. The Miami Manufacturers Association has become a unit of the Chamber of Commerce industrial department. The campaign has been a success beyond all expectations.

The most important point at the moment is that the people of Miami are keeping the city's money at home, by patronizing local manufacturers whenever possible. The city has benefited materially, and the end is not yet.

### Rayon Study Course.

A course in rayon to cover 15 subjects and to be participated in by leaders in the textile industry has been announced for this fall and for the winter by the New York School of Retailing. It will be held in conjunction with the Rayon Institute. Alexis Sommaripa, manager of the Business Research Department of the Du Pont Rayon Company, Inc., has been selected by Dr. N. A. Brisco, Dean of the School of Retailing of New York University, to conduct the sessions. Subjects to be covered include such topics as an outline of the rayon industry, rayon's contribution to modern art in interior decoration, history of rayon, manufacture of rayon, rayon and silk mixtures, rayon in the mode, rayon fabrics in the home, dyeing and finishing of rayon, rayon in men's wear, knitting of rayon, rayon knit goods from the viewpoint of the consumer and the retail store, physical characteristics of rayon yarn, importance of rayon to department stores, economic factors in rayon production, and the advertising of rayon to the trade and consumers.

### Expansion Program for Oil Company.

A proposed improvement program of the Yount-Lee Oil Company, of Beaumont, Texas, at its Spindle Top tank farm and its deep water loading terminal on the Neches River, calls for the construction of 56 steel tanks of 55,000 barrels capacity, each, at the tank farm and the construction of facilities for doubling the capacity of the loading terminal. The tanks are being erected by the Reeves Brothers Company of Birmingham, Ala., while A. M. Mutersbaugh, Inc., of Lake Charles, La., is handling contract for the addition to the loading facilities. A considerable amount of miscellaneous equipment is being supplied by the Norvell-Wilder Hardware Company, of Beaumont.

### \$2,000,000 Montgomery Ward Building Completed in Fort Worth.

Fort Worth, Tex.—The new \$2,000,000 building erected in Fort Worth for Montgomery Ward and Company, of Chicago, has been completed and dedicated. The structure is 8 stories, 360 by 220 feet, providing a floor space of 550,000 square feet. It was erected under the supervision of W. H. McCaully, of Chicago, construction engineer of the company, with Thomas S. Byrne, Inc., Fort Worth, as the general contractor.

## Improved Educational Facilities for Auburn, Ala.

By P. O. DAVIS.

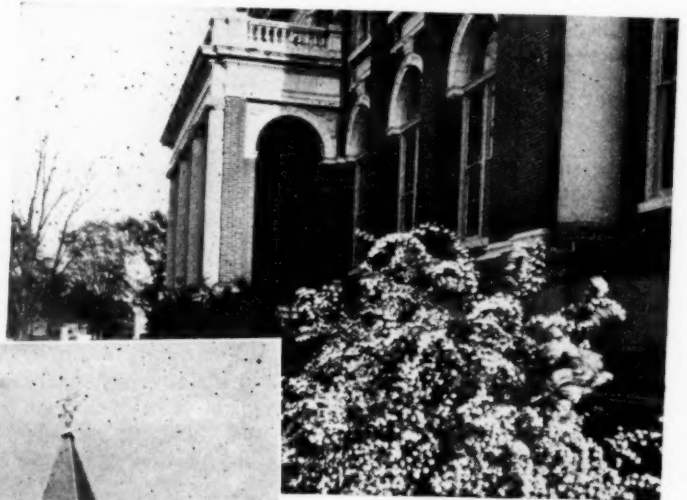
From a small town, known as "The Village of the Plains" eight years ago, to a beautiful town of 3,000 inhabitants has been the material change in Auburn, Ala. For half a century Auburn was typical of the old South; now it is representative of the new South with all its transition and its outlook for the future. Most small towns of the South

are advancing in agriculture and industry. Auburn is advancing as an educational center, the home of the Alabama Polytechnic Institute.

And Auburn is now experiencing rapid growth and development. This is true also of the institute. Construction work in progress in the town and by the college totals \$336,400.



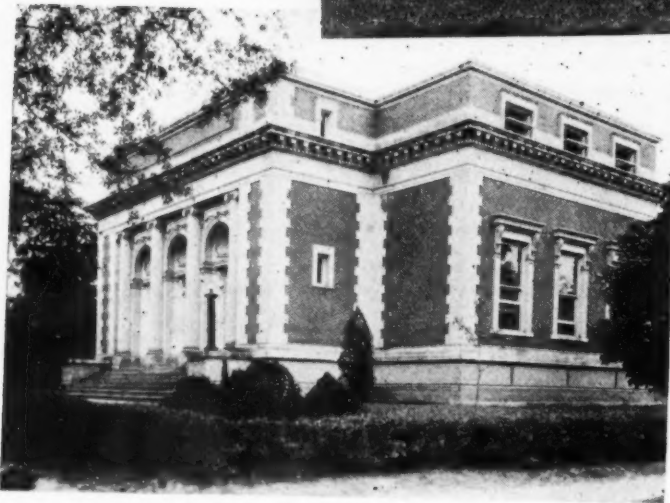
Gymnasium.



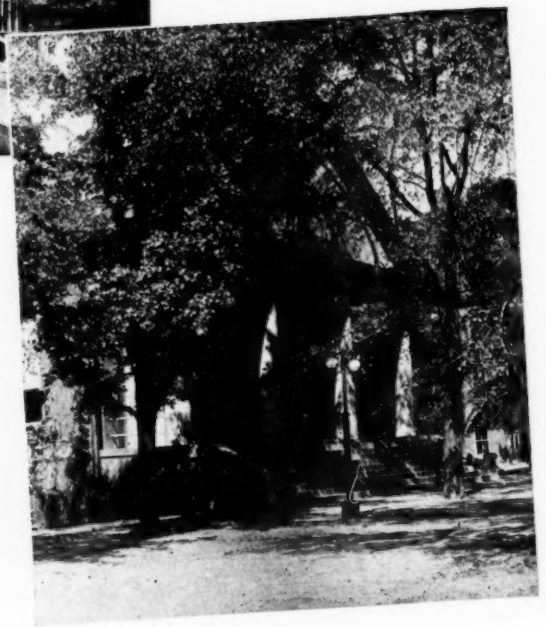
Comer Agricultural Hall.



Main Building of  
Alabama  
Polytechnic  
Institute.



The Library.



Langdon Hall.





RAMSEY ENGINEERING HALL OF ALABAMA POLYTECHNIC INSTITUTE.

In addition, four college fraternities expect to erect homes on the campus this school year, at a cost of approximately \$120,000, or \$30,000 each. New residences and other buildings and improvements will bring the total to around \$500,000 in 1928. These improvements include street paving at a cost of \$110,000; Baptist Church to cost complete and furnished, \$90,000; office building for the Extension Service of the Alabama Polytechnic Institute to cost \$86,400 without equipment; and a new theatre to cost \$50,000. Much credit



HOME OF THE INSTITUTE PRESIDENT.

is due to a progressive town council with Dr. C. S. Yarbrough, a local physician, as mayor.

Prior to the recent improvements and construction of the buildings mentioned, Auburn was considered a leader among new towns in the erection of dwellings. Since 1920 approximately 150 residences have been built at a cost of \$800,000, providing homes for from 800 to 1,000 new inhabitants. Many other dwellings are planned for the next two years.

The mayor and town council plan a \$40,000 public school building and sewage system extensions to cost \$15,000. These projects will require a special bond issue which the council is to propose at an early date.

Major developments for the Polytechnic Institute are to take place in the next few years. The last legislature of Alabama appropriated \$750,000 for buildings; this will be

divided into three equal annual amounts and will be expended under the direction of the new president, Dr. Bradford Knapp, who has been requested by Governor Bibb Graves to be ready to start the building program early in 1929. The building appropriation is in addition to large increases for maintenance and operation. One of the new buildings will be for chemistry. Realizing that agriculture and industry will advance in Alabama as research chemists find and blaze new trails, Dr. Knapp plans to emphasize research work in chemistry. An administrative building, an auditorium and dormitories are proposed also for the three-year program. The extension service of the Institute will install a 5000-watt radio broadcasting station in Birmingham to be operated in co-operation with that city.

During the 1927-28 session of the Alabama Polytechnic Institute the enrollment was 1600. Governor Graves has requested that plans be made for a student body of 7500 within the next few years. Dr. Knapp and members of the faculty are planning accordingly.

### \$7,825,000 Contract for Two Airships.

Washington, D. C.—Contract has been awarded by the Navy Department to the Goodyear-Zeppelin Corporation, of Akron, Ohio, at \$7,825,000, for the construction of two giant airships to be known as ZRS-4 and ZRS-5. One of the dirigibles will cost \$5,375,000 and the other \$2,450,000, with nominal gas volumes of 6,500,000 cubic feet and 2,470,000 cubic feet, respectively. The ZRS-4 will be 785 feet long, 132.9 feet in diameter and 146.5 feet in height over all, with a gross lifting power of 403,000 pounds and a cruising range of 9180 nautical miles at 50 miles per hour. It will carry a complete airplane hangar within its hull for the accommodation of five scouting planes.

### 1,632,000 Cubic Yards Levee Work to Be Let.

Memphis, Tenn.—Sealed bids in duplicate will be received until October 24 at the office of the United States Engineer in the McCall Building, this city, for constructing approximately 1,632,000 cubic yards of earth work in the Upper Yazoo Levee District. About 660,000 cubic yards, designated as Piece No. 35, is located about 24 miles southwest of Memphis, while pieces Nos. 36, 37 and 38, involving 300,000, 336,000 and 336,000 cubic yards, respectively, will be located near Lake View, Miss., about 15 miles southwest of Memphis. The levee will be put up to grade with a 12-foot crown.

### Record Natural Gas Production in 1927—Industrial Uses Increase in South.

The history of the natural-gas industry in 1927 was similar to that of the petroleum industry, as a record output was marketed at reduced prices, states the United States Bureau of Mines. The total amount produced and delivered to consumers in the United States in 1927 was 1,445,428,000,000 cubic feet, an increase over 1926 of 132,400,000,000 cubic feet, or 10 per cent. During the year 184,000,000 cubic feet of gas was piped to Canada and Mexico, which leaves 1,445,244,000,000 cubic feet as the total amount consumed in the United States.

In 1927 there were 3,984,000 domestic consumers in the United States, who used a total of 296,036,000,000 cubic feet of natural gas. This represents an increase in consumers of 253,000, or 7 per cent, but an increase in total consumption of only 2 per cent. The average price paid by domestic consumers was 60.8 cents as compared with 58.4 cents in 1926. The 1927 price was close to twice the 1917 price and the last decrease in average price was in 1908. Ohio continued to lead in number of consumers, followed by California and Pennsylvania. Only two States, Indiana and Missouri, reported a decrease.

The order of the large producing States was materially changed in 1927. Oklahoma retained first place. Texas moved from fourth to second and Louisiana from fifth to fourth, displacing West Virginia. Production in Oklahoma registered a 14 per cent gain in 1927, chiefly as the result of gas produced incidental to the intensive drilling for oil at Seminole. Texas, by virtue of a 45 per cent increase in output, made the best showing.

Total consumption of natural gas by industrial users amounted to 1,149,208,000,000 cubic feet, an increase over 1926 of 12 per cent. This total was divided about equally between field use, that is, for drilling, pumping, etc., and for industrial uses, including gas burned in making carbon black and gas used by manufacturing establishments. Practically all the increased consumption of gas for field purposes occurred in Oklahoma and Texas, as the result of an intensive drilling campaign in those States. The major portion of the increased consumption of gas for other industrial purposes occurred in Louisiana, where there was a noticeable increase in use as fuel by refiners, and in Texas where the consumption by carbon black manufacturers in the Panhandle district and by industrial plants in the Texas Gulf coast district showed material increases. In general, the price of gas for industrial purposes has shown little change over the past ten years, whereas, as noted, the price of gas for domestic consumption has increased steadily. This is due mainly to the fact that the fields near the centers of population have declined in output, whereas all the prolific gas fields of recent years have been found in comparatively isolated localities.

### Building Program of University of Richmond.

Richmond, Va.—The proposed building program of the University of Richmond, on which work has already been started, includes a woman's building to cost \$125,000; Maryland Hall, a dormitory to cost \$75,000; the Henry M. Cannon Memorial Chapel to cost \$125,000; a student activities building to cost \$100,000, and a memorial library wing. The woman's building, designed for a social activities building for Westhampton College, will be of red brick and stone in keeping with the collegiate Gothic type of the other University buildings. It will have a stage, dressing rooms, meeting rooms for class societies and other social clubs and will be the center of the college social life. The alumnae association of Westhampton College, the alumnae of the old co-educational Richmond College and the alumnae of the extinct Woman's College of

Richmond and Richmond Female Institute are co-operating with the Centennial Campaign Committee to raise funds.

Funds are being raised by Maryland Baptists for the erection of the proposed Maryland Hall on Westhampton Campus and all but \$13,500 of the required amount has been subscribed. Work has begun on the Henry M. Cannon Memorial Chapel, donated by Mrs. Henry M. Cannon in memory of her husband, and the building is expected to be ready for dedication in the spring. It will serve both Richmond and Westhampton colleges which have a combined enrollment of nearly 1000 students. James M. Fox and Sons, of Richmond, are the general contractors. The student activities building for Richmond College will be known as Memorial Hall. The proposed library wing for the Westhampton unit will probably be donated. Charles M. Robinson, of Richmond, is the architect.

### \$261,000 Contract on Utility Building.

Houston, Tex.—The Houston Lighting and Power Company has awarded contract to Don Hall of Houston, at \$261,000, for the construction of its general service building in Magnolia Park. Contract for plumbing, heating and ventilating was awarded to the Warren Plumbing Company, Houston, while the Otis Elevator Company of New York secured contract for a passenger elevator, and the American Elevator Company, also of New York, contract for a freight elevator. The main building will be 3 stories and basement, 100 by 150 feet, of reinforced concrete construction with brick exterior walls and stone-tile partitions. An auto garage and storage shed will adjoin the main building, the construction to involve long span structural steel frame with corrugated iron side walls and corrugated asbestos and gypsum roof. All buildings will be equipped with steel sash and rolling steel doors. Robert J. Cummins of Houston, is the consulting engineer.

### \$1,500,000 Bank and Office Building for Richmond.

Richmond, Va.—The Central National Bank is having plans prepared by Eberson and Eberson, New York and Chicago, with Carneal and Johnston of Richmond, as supervising architects, for the erection of a \$1,500,000 bank and office building at Broad and Third streets. The structure will be L shaped, the main section to be 15 stories and basement, 61 by 145 feet, with a 4-story, 26-foot front wing on Third street. Banking space will cover an area of 145 by 57 feet, the room to be 37 feet high. A special ventilating system will be provided for the banking room and telautographs installed. A stairway will lead from the banking room to the vault below in which there will be 4000 safety deposit boxes. High-speed elevators will also be installed in the building.

### Houston Building Permits Total \$25,000,000 for Year.

Building permits issued in Houston, Texas, for September represent a cost of construction of \$1,904,054 and for the Houston metropolitan district, \$2,191,000, according to the Houston Chamber of Commerce. For the year ended October 1, permits were issued in the city to the amount of \$25,092,193, and in the metropolitan district to the aggregate of \$28,458,902.

### Dairying in East Texas.

Dairying is made the principal subject in the October issue of "East Texas," the official publication of the East Texas Chamber of Commerce, Marshall. Opportunities in East Texas are described by C. M. Evans; Professor W. H. E. Reid shows that dairying "may be made a thriving business," and other writers contribute interesting articles on dairying and collateral activities.



## Electrification of a Model Farm.

The accompanying view shows a model electrified farm as described in a recent issue of the *Electrical World*. The colleges and universities of Iowa, Kansas, Missouri and Nebraska together with the Middle West Division of the National Electric Light Association built this miniature model farm so that it could be taken direct to thousands of farms in important centers in the four States. Complete plans and specifications were drawn by specialists of Iowa State College and the "plant" was built on a scale of a half inch to one foot.

Every detail of an actual farm is carried out in miniature. Electric service is supplied by a 6600-volt, single-phase line which passes along a secondary road. The transformer is located on a pole in the yard so that convenient service has

been extended to all buildings and proper regard given to safety and clearances.

The farmhouse is fully equipped with modern lighting, radio, convenience outlets, an electrical kitchen with electric range, refrigerator, electric sink and ventilating fan. In the basement the laundry is equipped with electric washing machine, flatiron and ironer and hot water is supplied through an electric heater and an electrically driven water system. Outside the house the yard court is lighted with a two-bracket fixture and additional bracket lamps are mounted over doorways where needed. For the farm the following electrical equipment is installed: Motor-driven milking machine, cream separator, sterilizer, portable elevator, chore motor, motor-driven repair shop, electrically heated incubator, brooder and oat sprouter.



HOW THE MODEL FARM IS ASSEMBLED FOR PURPOSES OF EXHIBITION.

### 20,000-Horsepower Texas Electric Plant in Operation.

Quanah, Tex.—The new 20,000-horsepower electric station here of the West Texas Utilities Company, Abilene, Texas, has been put in operation, just six months from the time construction started. The station generates at 13,000 volts and transmits at 66,000 volts, being equipped with a General Electric turbine and three 1000-horsepower Stirling boilers. The turbine will operate at 375-pound steam pressure and a steam temperature of 684 degrees. It is of the latest type with four points for the extraction of steam for evaporation and feed water heating. Condensers, heat exchangers and low and high pressure heaters and evaporators were furnished by the Foster-Wheeler Corporation, New York.

The condensate from 17,000 square feet of condenser enters a low pressure feed water heater where its temperature is raised about 65 degrees. It then passes through a drip heat exchanger which recovers the heat in the discharge of traps and drains. The condensate then enters two high pressure heaters, the former raising the condensate temperature to 285 degrees, using steam at 62.5-pound pressure and the second receiving steam at a 116-pound pressure raises the condensate to a temperature of 325 degrees Fahrenheit. The high pressure heaters operate with a water pressure of 700 pounds per square inch.

A double effect evaporator is provided with a 40-square foot heat exchanger which heats raw water entering the evaporator while cooling the condensate drained from the first effect. Equipment includes a 36,000-gallon per minute circulating pump, which draws water through a canal from the end of the lake, forcing it through a single pass condenser and discharging through a canal into the other end of the lake. The

feed water is deaerated in a Cochrane heater where all free oxygen is removed from the feed water. Three Cameron feed water pumps, one motor driven and two steam driven, have been installed. Oil and gas will be used for fuel, although the plant may be converted to the use of pulverized coal for fuel. The lake will be enclosed by a fence and landscape artists will beautify the grounds. Parks and gardens will be laid out and the company will erect 12 Spanish type homes for employees.

### Utilities Company of Tennessee Under Doherty Management—\$6,000,000 Hydro-Electric Development May Go Forward.

Johnson City, Tenn.—An agreement has been reached by the Tennessee Eastern Electric Company of this city, with the Cities Service Company, of New York, a Henry L. Doherty organization, whereby the latter will assume the operation of the Tennessee Eastern Electric Company, unifying it with the operation of the Bristol Gas and Electric Company, which is one of the Cities Service units. The Tennessee Eastern Electric Company, which controls the Johnson City Traction Company and the Carolina Engineering Company, has a hydro-electric development on the Nolichucky River about 15 miles from Greenville, Tenn., and a large steam plant on the Watauga River about 3 miles from Johnson City. It supplies light to Johnson City, Greenville and Jonesboro, Tenn., through its own organization, and furnishes power and light to Rogersville and Erwin, Tenn. Its properties are valued at more than \$6,000,000, exclusive of its proposed Hemlock Dam development in which several hundred thousand dollars have already been invested.

The proposed Hemlock development is at the junction of the

Watauga and Holston rivers, about 17 miles from Johnson City, property rights for a storage dam having been purchased some time ago. Under the terms of the new operation plan, it is expected that a dam will be constructed at once, the initial expenditure to involve from \$5,000,000 to \$6,000,000. According to R. E. Burger, general manager of the Cities Service Company, no changes in the personnel of the local organization are contemplated and as soon as physical surveys can be completed improvements will be inaugurated to the properties of the company. These will include an addition of appliance departments and the inauguration of educational campaigns to demonstrate the economy of electrical operation of machinery and appliances in the home, factory and on the farm.

### Old Houses "Good As New."

Charleston, S. C., October 13—[Special.]—Widely known as "America's most historic city," Charleston erected houses from 150 to 200 years ago that are standing today in as good condition as when they were built. Many of America's architects visit Charleston annually for the purpose of studying and admiring the architecture of these famous old homes, which for beauty and solid comfort have never been improved upon, and they have never been affected by storms, earthquakes, or wars, of which Charleston has had its full share.

Last winter, one of the old Charleston homes was purchased by a wealthy New Yorker, and was carefully taken



"FREWIL" APARTMENTS, CHARLESTON, S. C.

Formerly one old home, this property now provides modern accommodations for 10 families.

down piece by piece, loaded in cars and shipped to New York to be re-erected there just as it stood in Charleston for nearly 200 years.

One of the old homes of Charleston recently was remodeled into a modern apartment house, without making any radical changes in its fine old type of architecture. This property is now known as "Frewil" Apartments, forming modern homes for 10 families. The owner is J. Freeman Williams, president of the Woodstock Manufacturing Company, and the house was remodeled by him.

### \$300,000 Barracks Let to Contract.

Fort Sam Houston, Tex.—Walsh and Burney of San Antonio have been awarded general contract by the Constructing Quartermaster at Fort Sam Houston for the erection of two infantry battalion barracks. The buildings will be of Spanish mission architecture, 3 stories, 40 by 50 feet, with four extensions 50 by 32 feet, of brick, hollow tile and reinforced concrete, terra cotta and cast stone. Contract for 778 steel lockers was awarded to the Berger Manufacturing Company, Canton, Ohio, and for plumbing to Jud and Ormond, San Antonio.

### Kraft-Phenix Co. Looks Forward.

Co-operation and friendly feeling within the great organization formed through the acquisition of Southern Dairies by the Kraft-Phenix Cheese Company sounds the keynote in a letter from J. L. Kraft, chairman of the Kraft-Phenix board, to the personnel of the Southern Dairies system. As Mr. Kraft puts it: "A forward look is generally better than a backward look, because in looking forward we always anticipate accomplishments which reflect our best effort." He continues:

"Let us look forward with only one thought in mind, namely, that of making Southern Dairies the most outstanding, successful dairy company in all the Southern States. No place in the world holds greater possibilities for dairy development than does the territory occupied by Southern Dairies. It is our opportunity to occupy this territory as the dominant factor in the industry."

Originally a Northern concern, the Kraft-Phenix Cheese Company turned to the South as a field rich in promise for production and distribution of its products. Already established there was Southern Dairies and, as "The Silver Cow," house organ of Southern Dairies, explains: "It was but natural that Southern Dairies and the Kraft-Phenix Cheese Company would overlap in some of their enterprises and activities, and it was even more logical that these two organizations, working toward the same end, should affiliate and combine their resources, abilities and efforts toward this goal: The development of the South in dairying."

Under the present plan, Southern Dairies is to maintain its identity as a company and operate under the same policies and officers. Jason F. Whitney is president of the Kraft-Phenix Company and J. L. Kraft is chairman of the board, E. S. Perot, Jr., being president of Southern Dairies, and H. J. Adair, vice-president.

Less than a quarter of a century ago, Mr. Kraft appeared in Chicago with \$65 in his pocket and an idea in his head—that the cheese business, conducted in a businesslike manner, would multiply that \$65 many thousandfold. His start was modest, with a horse and wagon, and his first year's operation was far from profitable. With this experience as added capital, however, he soon made progress and brought his five brothers to his side. Now the Kraft company has a business of \$60,000,000 a year, and its operations extend to factories in England and Canada and far Australia.

While the packaged cheese of the Kraft concern increased steadily in popularity and demand, great impetus was given to the sale 13 years ago through the invention and patenting of a cheese pasteurizing process by the Kraft organization. Analysis of the business today shows that the Kraft company sells nearly 500,000 pounds of cheese each day, requiring enough whole milk to absorb the daily production of approximately 300,000 cows. It employs about 2000 persons, it operates its own box factory and it operates its own specially constructed, refrigerated railroad cars.

And so it was that a year or so ago the company turned its eyes to the South as both a production and distribution area. Logical points were selected for its plants, each equipped to handle an initial business of 50,000 pounds of milk a day, with capacity for 100,000 pounds daily, as the supply should become available. "We believe that our activities in the South will be mutually profitable to us and the people in the districts we are entering," said Mr. Kraft at that time.

That such has proved to be the case is demonstrated by the extension of the company's operations through purchase of the great Southern Dairies organization.

The City Board of Education, Owensboro, Ky., has called an election for January 12 on a bond issue of \$150,000 for schools.



## GOVERNMENT CONTROL VERSUS PROHIBITION.

### Facts Revealed by Official Records of a County in South Carolina Where the Dispensary System Was Tried and Where It Failed.

By ALLAN NICHOLSON.

Much is being said by those who oppose prohibition about having liquor sold legally under government control. South Carolina had experience along that line, probably more than any other state in the Union.

First there was the State Dispensary system, inaugurated July 1, 1893, when all liquors sold within the commonwealth were bought and sold by the state government. Every possible safeguard a law could seemingly provide to improve conditions that existed during the period of open saloons, and prevent habitual drunkards and minors from obtaining liquor, became effective. For several years the State Dispensary operated apparently without any gross violation of law or suspicion of graft, but it was not long until restriction was being disregarded and there were open charges of graft and corruption. The result was that South Carolina indignantly got rid of the State Dispensary system.

A County Dispensary system, which the counties were able to secure through the local option plan, was then provided for by law. This, too, led to such conditions that in many counties the people abolished the system at the polls and tried prohibition instead.

The county in which the writer has lived all his life has tested both the dispensary systems and prohibition, and a study of official records made when State Prohibition was to be voted on in 1915, were astonishing and illuminating. These records covered two years of the old State Dispensary system, then two years of County Prohibition. Here it should be emphasized that it was harder to enforce County Prohibition because of dispensaries in adjoining counties than it is now with the whole nation under prohibition.

Regarding crime: In the prohibition two years there were five major crimes, all convicted. In the two succeeding dispensary years there were nine of the same crimes with only seven convictions. In both State and County Dispensary eras there were "blind tigers" operating after the dispensary closed at sundown.

Concerning property values; the county auditor's records show that during prohibition there was an increase in returns for assessments of thousands of dollars, and even though the county was deprived of so called "profits" from the sale of the liquor, the tax levy was  $2\frac{1}{2}$  mills less during prohibition than after the dispensary had been voted back and what were called revenues were being obtained. Really to get necessary funds to carry on the county government, it was found that \$25,000 worth of bonds had to be issued.

In education, a search of the records revealed that during prohibition there was an increase in enrollment of almost 2000, while during the following period with the dispensary there was actually a decline of 132.

Much is being said about the great quantity of liquor being consumed, and yet those not strongly in favor of prohibition are astonished when shown actual figures; for 30 months there was spent by the people of this county \$397,970. No man will dare say that so much is being spent for illicitly sold liquor in the same period under national prohibition. Based on the bookkeeping records, it was ascertained that for every dollar of so called "profits" left in Union County, more than \$3 was sent out of the state to enrich liquor manufacturers.

An examination of the official statistics of the white con-

gregations of the Baptist, Methodist and Presbyterian churches, as represented in Union County, showed that during the prohibition period there were larger gifts for expenses, benevolences and improvement of church property than during the preceding and succeeding years of dispensary, and the same held true to a remarkable degree as to the spiritual life of church members as reflected through accessions and church activities.

During both periods of the dispensary, as previously stated, the law with all its excellent provisions was violated, drunkenness and crime increased, and graft prevailed to a greater or lesser degree. In other words, the legalizing and handling of liquor by the government itself, whether state or county, did not prove an effective means of curbing crime and producing permanent and real property values, revenues and social betterment.

When the people of South Carolina voted on September 14, 1915, on the question of state-wide prohibition, Union County, which had tried the State Dispensary system, County Prohibition, and then a return to the County Dispensary system, and were shown from official records the great difference in favor of prohibition, they gave a three to one majority against legalized liquor selling and for prohibition.

Today, should America turn from national prohibition and undertake through government control and sale to solve the liquor problem, the outcome would be as unsatisfactory as it was in the Palmetto State, which originated the dispensary system in the United States, and tried in its way to demonstrate to the world that it was the ideal way of handling the liquor problem.

### Paducah, Ky., Proclaims Advantages.

With a realization of the concrete value of advertising, Paducah, Ky., is spreading before the country a description of that city and its area, setting forth the advantages and opportunities open to individuals and industries looking for a promising city in which to settle. A city of 40,000 population, Paducah is served by four great railroads, and offers factory sites with river and rail connections. American labor is plentiful, fuel is cheap and electric rates are described as low. Among other attractions mentioned are reasonable rents, a fine city market, parks and playgrounds, splendid schools and many churches. Exemption from real estate taxes for five years is offered to new industries, and at no time do factories pay city or county taxes on machinery and raw materials, and only a state tax of 50 cents on \$100 assessment. Mayor Ernest Lackey will give further particulars.

### \$5,000,000 Gorgas Power Plant Unit Nearing Completion.

Birmingham, Ala.—The first unit of the Gorgas steam power plant of the Alabama Power Company is nearing completion and is expected to be ready for operation by April 1. More than 2600 tons of steel made in Fairfield and fabricated in Bessemer have been used in the foundations and buildings, in addition to 2,000,000 brick and 150,000 barrels of cement. Two boilers with 6-foot drums will have a capacity nearly equal to the 18 boilers now in operation in the old plant a short distance away. The ultimate cost of the Gorgas plants is estimated at \$20,000,000, the units having been planned for construction to meet demands for power as they arise.

### New \$1,000,000 Bank Building Occupied.

Houston, Tex.—The new \$1,000,000 building erected here by the Houston National Bank has been completed and is now occupied, formal opening to be observed within two weeks. Hedrick & Gottlieb are the architects, and Don Hall, general contractor, both of Houston.

### An Appeal to America's Conscience.

In belief that an appeal to the morality and decency of the people of the United States would prove effective in promoting observance of the Prohibition law and respect for other laws, a correspondent of the MANUFACTURERS RECORD advances a suggestion that American men and women be asked to subscribe to the following declaration:

"I hereby declare that as long as the Eighteenth Amendment is the law of the land I will not buy or make or drink any liquor made or sold in violation of said law."

It might be, he adds, that such patriotic citizens would enroll in an organization, to be known as the Respect For Law Association. Further he says:

"The Eighteenth Amendment prohibits the manufacture, sale, transportation, importation or exportation of 'intoxicating liquors for beverage purposes,' and became effective January 17, 1920. To put it in force, the Congress enacted the Volstead law (National Prohibition Act) on October 28, 1919, by the overwhelming vote of 176 against 55 in the House, and 65 against 20 in the Senate. The Volstead Act forbids the manufacture, etc., of any liquors containing over half of one per cent of alcohol, but permits the manufacture of cider and 'fruit juices' containing over half of one per cent of alcohol by the 'head of the family' to the extent of 200 gallons. It also permits the prescription of 'hard liquors' by physicians in case of illness and permits the making of wine for sacramental purposes to be sold to a minister, rabbi, priest or officer authorized by congregation on special application.

"The Volstead Act was held to be constitutional by the Supreme Court in 1920, and in 1926 this Court upheld the law limiting the prescription of whiskey by physicians to patients to one pint in 10 days."

That repeal of the Eighteenth Amendment "is in the realm of the impossible and repeal of the Volstead Act is extremely improbable" is his belief, and he then continues:

"Each one of us who buys, makes or drinks liquor made or sold in violation of this law is morally a lawbreaker and practically is in the same class as the bribe giver or the receiver of stolen goods, for his or her act directly contributes to the bribery, corruption, disease, theft and murder so prevalent as the manifest result of violation of the Volstead Act. It goes further, for disrespect for this law leads by example to disrespect of all laws.

"The manifest moral issue involved in the matter, therefore, is respect for law. And if this aspect is brought squarely home to the attention of those who support violators, especially men and women of standing, it undoubtedly would meet with wide response, for many of these people have not considered it in this aspect.

"There is no question that at heart the American people are by a large majority morally sound, and appeal to the individual conscience would exert powerful influence toward correcting the evils which now manifestly exist as the result of violations of the Volstead Act, to which buyers of liquor chiefly contribute."

Acceptance or rejection of the declaration quoted, he feels would be "the acid test," and he asks that "each one of us stand up and be counted."

### To Develop Cottonseed Industry.

Columbia, S. C., October 13.—"The entire purpose of the Trade Practice conference of the cottonseed oil industry held at Memphis under auspices of the Federal Trade Commission was to better conditions in the industry, to the end that the farmer and the mills might profit and at the same time the interests of the consumer be safeguarded," says a statement issued by the Interstate Cotton Seed Crushers Association. The Commission has approved the report of the conference. The statement adds:

"The cottonseed industry has long suffered through the uncertainty of the value of cottonseed and its products, due to the fact there were no grades of cottonseed and no publication of prices for cottonseed or for its products, but it is hoped grades will be officially established by the United States Government ere long. The publication of prices paid for cottonseed and received for its products will prevent discrimination and should be helpful to the producer, the consumer

and the manufacturer. The elimination of inefficient and wasteful methods of buying and selling, the cutting out of bad trade practices and the establishing of sound and economic ones is in accord with the trend of modern business.

"The resolutions passed at the Memphis conference and the action of the Federal Trade Commission have nothing whatever to do with fixing prices or allocating territory. Each manufacturer is left to his own judgment as to what prices he shall pay for his raw material or the prices he shall charge for his products, but he is required under the resolutions adopted at Memphis to make those prices available to the buying and selling public."

### Tammany Votes Against the Farmer.

Gate City, Va., October 13—[Special.]—Credit to 11 out of 12 Virginia members of Congress for support of the Farm Loan bill and disclosure that the Tammany Hall members of Congress voted against it were voiced here today by Secretary of Agriculture Jardine in an address, in which he said:

"Under the Democratic Administration in 1916, the question of suitable mortgage credit for farmers came to the front and the Farm Loan Act was passed, with the active support of all Congressmen interested in agriculture, Republicans and Democrats, alike.

"A study of the record shows that of the 12 Senators and Representatives from Virginia, 11 of them supported and voted in favor of the Farm Loan Act. Of the 16 Democratic Congressmen from the city of New York, only three voted in favor of it. Tammany not only demonstrated its hostility to agriculture, but also repudiated its own party, which was then in power."

In regard to the bill for the establishment of Federal Intermediate Credit banks, Mr. Jardine said:

"Here, again, Tammany voiced its opposition to agriculture, and when the final vote was taken on the Agricultural Credit Act only a single Democratic Congressman from New York City agreed to its passage."

Still further, added Mr. Jardine, in the vote on the Emergency Tariff Act, which placed special duties on agricultural products:

"Every Congressman from Tammany voted against the Emergency Agricultural Tariff measure when it came to a vote in 1921. Tammany is not interested in protecting the domestic market for the American farmer."

Tammany, he added, voted in Congress against the Packers and Stockyards Act and also against the bill to extend aid to agriculture through the War Finance Corporation, a measure under which the first funds were loaned to cotton co-operative marketing associations. Also, Tammany in Congress failed to vote for the Grain Futures Act.

"The Congressmen from Tammany Hall have consistently and bitterly fought legislation to help the farmers," said Secretary Jardine.

That this hostility by Tammany to the farmer is realized in New York State was shown by Secretary Jardine in citing the fact that "Governor Smith never has carried more than a single agricultural county in the entire State of New York since he has been running for office," and he asked: "If the Governor has an understanding of agriculture, and if he ever has had any great desire to aid agriculture, why is it that the farmers of his own State have been voting against him for all these years?"

There are 62 counties in New York, and Governor Smith never has carried more than four outside of New York City.

### \$1,000,000 Oil Refinery Nearing Completion.

Pecos, Tex.—The new \$1,000,000 oil refinery being erected here by the Burford Oil Company is expected to be finished by November 1. Contract for the erection of 10 modern houses for operatives has been awarded by the company, which will employ about 40 workers initially. The plant consists of two cracking units with a capacity of 4000 barrels, a pipe still of 6000 barrels capacity, treating plant and a car loading rack.



## Letters From Our Readers

The MANUFACTURERS RECORD is being swamped with letters in regard to the political situation. Some are letters of bitter criticism; most of them are letters of strong commendation of the position taken by this paper. From time to time, as space permits, we will publish these letters regardless of whether they are letters of commendation or criticism.

These letters must not discuss the political question from the religious standpoint.

### "The Negro Is Not an Issue."

Augusta, Ga., October 2.

*Editor Manufacturers Record:*

I have noticed quite a bit of political discussion in your columns here of late. I am inclined to agree with some of your critics when they wrote you that you were turning your trade journal into a political sheet. As a trade journal representing the South you have no equal, but as a political sheet, "You ain't so much." The public is getting too much political "bunk" without getting it in their trade journals and some of the churches.

I believe you are a little inconsistent in your construction of the political situation. In your issue of September 27 you quote the Richmond News-Leader in saying that "The Negro is not an Issue," but in your previous week's issue you published the following: "Arkansas Negroes Organizing for Smith" and "Negroes Form Club to Work for Smith."

My idea of the negro question in a general way is that the Thirteenth, Fourteenth and Fifteenth amendments to the Constitution give the negro equal rights with the white people. In states above the Mason-Dixon line these amendments are complied with to a stricter degree than in our Southern States. In the North, both political parties extend the negroes privileges but in the South it is only the Republican party which offers that race any political privileges. I know for a fact that Georgia and Mississippi have been represented in the Republican parties by negroes. In talking to several members of that race in Augusta they tell me the majority of them will vote the Democratic ticket this fall for the reason that the promises given by the Republicans have never been fulfilled and while the Democrats have never offered them any alluring inducements in the South that it (the Democratic party) has been their friend.

I would like very much for you to print this letter and I will also assure you that your political views will in no way influence me to cancel my subscription.

SCOTT NIXON.

[The MANUFACTURERS RECORD is a weekly business newspaper devoted to the upbuilding of the South and the nation. As the Federal Government is the greatest business organization in the world, enacting legislation which affects each one of us, the MANUFACTURERS RECORD would be derelict, indeed, were it not to discuss issues of vital importance to the American people. Aside from the merits of the editorial policy of the MANUFACTURERS RECORD, which has always in national elections discussed matters affecting the country's well-being and economic progress, its position has been fully sustained by the widest possible commendation from business leaders and statesmen both within and without the South.

Referring to Mr. Nixon's reference to the negro question, we again repeat with the Democratic Richmond News-Leader that "The Negro Is Not an Issue" in the campaign and the news items photostatically reproduced from other Democratic papers and published by the MANUFACTURERS RECORD emphasize the fact that the Democrats are seeking the vote of Southern negroes, as well as the Republicans; and that on the face of it shows how absurd it is for anyone to raise the cry of "negro menace" in the present presidential campaign.—Editor MANUFACTURERS RECORD.]

### Control of the Florida Republican Party.

Manatee County Republican Committee.

Bradenton, Fla., October 1.

*Editor Manufacturers Record:*

Since becoming a citizen of Florida, and having always been interested in economics, your paper has impressed me by its integrity. It is our understanding here that you will not print anything that is not from a reliable source.

Please turn to page 78 of your issue of September 20 and see the letter from Lewis Gerard White. In the second paragraph, he says that "Mississippi and Florida were put in the hands of negroes for Mr. Hoover's campaign."

[The item referred to is from a letter published in our columns open to the readers of the MANUFACTURERS RECORD who may commend or criticize its editorial policy.—Editor MANUFACTURERS RECORD.]

On May 10 this year the control of the Florida Republican party passed into the hands of the very highest type of white Republicans. That convention felt that no longer should a Florida Republican delegation be represented by negroes. That convention recognized in advance the overwhelming nation-wide demand for Mr. Hoover's candidacy and this without any suggestion or pressure from national politicians. The delegates were instructed "To vote in every ballot for Mr. Hoover until released by him himself."

The following names of well-known old members of the Republican party do not suggest a "negro delegation": L. Y. Sherman, former United States Senator from Illinois; W. P. O'Neal, president of the Orlando National Bank; A. F. Knotts, former counsellor for U. S. Steel Corporation; E. E. Callaway, prominent attorney of Lakeland, Fla.; J. S. Green, former state senator of North Dakota; T. E. Bell of Pinellas County and G. T. Coldron, prominent insurance underwriter in Ocala, Fla.

The writer doubts if any state, North or South, ever sent a higher grade group of white American citizenship to a national convention than Florida did to Kansas City. We resent with indignation the bald statement of fact over the signature of Mr. White.

When Southern Democratic leaders are knowingly clouding the issues in this campaign and seeking to drag out the ancient skeleton while attempting to rekindle the flames of sectional hatred for their selfish purposes, we are satisfied that the MANUFACTURERS RECORD will see that justice is done.

G. E. VARNEY, Chairman.

### Keeps in Touch With Southern Progress.

Southern Cut Stone Company, Incorporated,

Home Office, Bowling Green, Ky.

Nashville, Tenn., October 5.

*Editor Manufacturers Record:*

We have been taking your magazine for only a few months but we can readily see its value to us in keeping in close touch with Southern progress and building.

We wish to express our appreciation of your magazine and of the fine efforts you are making in behalf of the South.

R. MARRET WHEELER.

### None So Blind As Those Who Will Not See.

Dallas, Tex., October 6.

*Editor Manufacturers Record:*

By reason of your scurrilous attitude towards Governor Smith in this political campaign, I would not subscribe to your paper if you were to send it to me for life free. The last copy just received I glanced over and threw it in the waste basket.

C. C. WEBB.

### Helps to Spread the Truth.

Bellwood, Ala., October 6.

*Editor Manufacturers Record:*

I read every issue of the MANUFACTURERS RECORD and enjoy it very much. Besides I pass the magazine around to several neighbors and they enjoy it. Keep up the good work.

H. M. WALDEN.

# IRON, STEEL AND METAL MARKET

## Steel Production Rate Climbs Higher.

Pittsburgh, October 15—[Special.]—Production of steel in September exceeded the current estimates by 3 or 4 per cent, the total of Bessemer and open-hearth ingots being now reported at 4,147,583 gross tons, representing 88.01 per cent of full capacity, against a low of 76.37 per cent in June and a high of 91.29 per cent in April. Allowing for the usual seasonal falling off in November and December, this year will run 5 to 7 per cent above the record year, 1926, and 12 to 15 per cent above 1927. This makes a period of four years of heavy production, 1925, 1926 and 1928 making new records while 1927 was only slightly off, with its poor second half.

The interesting point at the present time is not so much that this year is making a new record as that the increasing rate of production makes the gain cumulative, increasing in recent months. Last month's rate was 10 per cent above the rate in any preceding September.

The Steel Corporation's unfilled obligations increased 74,325 tons in September, against a slight loss a year ago and a slight gain two years ago. The corporation's shipments were about 84 per cent of capacity in September against 76 per cent in August.

The steel industry is now running at approximately a 90 per cent rate and there is no sign that there will be any decrease in the near future, or until the usual seasonal influence comes to bear, late in the year. The automobile industry, which is taking about 20 per cent of the current steel production, is decreasing its operations no more than a trifle from the September rate, which was above the August rate, whereas usually production begins falling off after August. There are heavy shipments of steel to the agricultural implement industry, and an unusually heavy movement of line pipe, largely for laying natural gas lines from the Texas field. Shipments of fabricated structural steel are very heavy.

Year by year the railroads are taking less steel and there is much comment on the fact that while before the war it was considered impossible for the steel trade to be really active without heavy railroad buying, now it is doing very well with scarcely any railroad buying. Even the annual rail buying movement, in progress in the last few weeks, does not represent altogether as heavy buying as a year ago. The total to date is about 250,000 tons, in regular annual purchases. The Baltimore & Ohio is reported to have bought 46,000 tons of rails for winter rolling, this presumably not representing the road's entire requirements for the season. The Pennsylvania and New York Central orders are expected shortly.

While steel production is at about 90 per cent of capacity, the various finishing departments average a lower rate of their respective capacities, as there is always more finishing than steel making capacity. Sheet mills are running practically full. Wire mills are at close to 80 per cent, a high rate for them as they averaged only 50 to 60 per cent last year. Practically all classes of wire products are active with the striking exception of nails. April 1 dating has been arranged on wire fence shipments, after November 30, to the South. Tin plate mills are in their off season and are running at 75 to 80 per cent. Pipe mills are at close to 70 per cent while seamless tube mills are at close to full capacity.

Finished steel prices now seem well lined up for the quarter, with slight advances in some cases over third quarter prices. Bars, shapes and plates are at 1.90c to 2.00c, Pittsburgh, according to tonnage. Some buyers of sheets expect prices to weaken somewhat in a few weeks, from their present advanced level. Semi-finished steel prices have developed at \$33 for billets, slabs and sheets bars.

Pig iron and Connellsville coke are looking up somewhat and the scrap market remains very strong.

## Stability in the Metals.

New York, October 15—[Special.]—The metal markets continued placid over the past week and will probably continue so until after election. The three major base metals, copper, lead and zinc, were absolutely unchanged throughout the week, while tin was sagging in an orderly fashion. By Thursday the price had dipped to 48¼c per pound, or 2c lower than ten days before.

The outlook for metal business over the rest of the year is very bright because of the high rate of industrial activity generally. The steel industry continues to break all records from a production standpoint and it becomes apparent that October will be a peak month for production. Moreover, the non-ferrous metals are keeping pace with steel, partly because they are such kindred products.

The president of a tin plate manufacturing company has just predicted that the output of tin plate in 1928 will be 10 per cent in excess of any previous record. Likewise the production of galvanized sheets, or zinc-coated sheets as the more recent nomenclature is phrased, is very heavy and purchasing is brisk. The automobile industry is still booming. Construction contracts awarded in the New York metropolitan district last week were the largest in history, though the placing of one unusually large contract was partly responsible.

The minor metals have been inclined towards weakness, former recent advances having been overdone. Quicksilver prices have dropped rapidly both abroad and here. It sells now at \$128 per flask as against \$132 a week ago. The European quicksilver trust has decided to attempt to fix the price on the basis of £22 per flask, New York, or \$126. This trust controls 90 per cent of the world output so should be successful in controlling the market just as the American copper industry is controlling world markets. Silver prices keep above 58c per ounce which is about 1c per ounce higher than the average over the summer. Antimony has eased a bit after its rapid advances, prices being 11¼c per pound as against 11½c a week ago.

The only September statistics to come to light among the metals pertain to slab zinc, the surplus stocks of which gained 3500 tons during the month. Though production was considerably less than during August, the shipments fell at an even greater rate, thereby creating an unfavorable balance as to supplies. However, the most hopeful feature was the sharp decline in the number of active zinc retorts, indicating that the October production will be exceedingly light. On October 10 freight rates on zinc ore out of the tri-State district were reduced 45c per ton which will effect a saving in the manufacture of slab zinc. For several weeks prior to this date ore sales were light, buyers waiting for the lower rate to become effective. Meanwhile zinc ore production has been increasing until week before last the output was 11,200 tons as against 4500 tons for one week late in September. The slab zinc market has been quiet and featureless, the price being the same at 6.25c per pound, East St. Louis. Zinc has failed to respond to the greater market strength observed in the metals generally over the past several weeks.

Business in copper has been of a routine nature. Buying is scattered relative to the month of delivery, being spread over October, November and December. For the first time a little January copper was bought, though producers are usually reluctant to sell so far ahead and will do so only when an order is tied up with December shipment. The recent rise of wages has stimulated output. Thus the Utah Copper Company is producing 50,000 tons of copper a month since the wage increase as against 40,000 tons previously. One of the large copper producers has an agreement with workmen that



if and when the selling price dips below 15c per pound wages will be reduced 50c per day, the amount of the advance.

The tin market has been sluggish, weak and uninteresting. Sales in this country are barely 100 tons daily. At the time tin was skyrocketing a few days ago many believed that the rise was due merely to propaganda. Now they are more certain of that fact. The amount of tin consumed in canning has been a disappointment this year. The pack of peas, salmon and California peaches has been large but all other packs have been smaller than expected.

An average business is being done in lead at 6½c per pound, New York, and 6.32½c, East St. Louis. The dock workers' strike in Australia is over and the supplies of this grade in Europe are assured. Prices have no leaning either up or down and it is a very stable market with sales in only average volume.

### Pig Iron Turned Out in Larger Quantities.

Birmingham, Ala., October 15—[Special.]—Pig iron production is somewhat greater in Alabama. Nineteen blast furnaces are in operation, including the two large, new furnaces of the Tennessee Coal, Iron & Railroad Company at Fairfield, which are turning out not less than 1200 tons of basic iron daily between them. The Woodward Iron Company has four blast furnaces making foundry iron while the Sloss-Sheffield is operating three, the Gulf States, Central Foundry and Republic Iron & Steel one each. The T. C. I. Co. has nine furnaces in all in blast, two on special brands.

Shipments of foundry iron are still in excess of production. The base price is very strong at \$16.25 per ton, No. 2 foundry. No sales are reported beyond the present year. The larger melters of iron have purchased quite liberally for fourth quarter requirements and the smaller consumers are buying against early needs. The Tennessee Company has switched one or two of its furnaces again from foundry to basic.

While new lettings for cast iron pressure pipe are not numerous, there is still a splendid unfilled tonnage book to be worked on and shops are active in production and shipments are equal to the output. There are some orders in hand which can be delivered through the remainder of the year. The mechanically-made or centrifugal pipe departments in several shops have been working on double turn.

The steel market is slightly better though the Ensley Works of the Tennessee Company are down, specifically the rail mill. Intimation is given that the mill will resume in the near future. Plate, sheet, structural and other mills are going well, with good demand. In smaller shapes of steel, wire, nails, track fastenings, etc., there is much activity also. Fabricators have work on hand, in the main in small tonnages. Tank making is active, the oil fields of Texas and the Southwest in general requiring no small amount of storage tanks. Producers of reinforced concrete bars are enjoying a good trade and shipments are steady.

Current reports bespeak of further development. The return from a European trip of George Gordon Crawford, president of the Tennessee Coal, Iron & Railroad Company, is noted and a summary of prospective development is looked for. The American Steel & Wire Company officials and directors inspected the properties of the company here recently and something may be announced with that subsidiary of the United States Steel Corporation. W. H. Coverdale, president of the Gulf States Steel Company, making an inspection here a short time since stated emphatically that plans were being worked out for further expansion of that company.

The coal trade is quiet and mining is lagging, with production considerably under last year. Coke is showing improvement though not in great volume. Foundry coke price base is still held at \$5.

The scrap iron and steel market is only fairly good. Slight

improvement has been reported week after week for the past month but the total is not very striking. Heavy melting steel holds at from \$10 to \$10.75 with plenty of the product in sight.

### PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.25; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.75; iron of 2.75 to 3.25 per cent silicon, \$17.25; iron of 3.25 to 3.75 per cent silicon, \$17.75; charcoal iron, f. o. b. furnace, \$29.00.

### OLD MATERIAL.

Old steel axles .....	\$16.00 to \$17.00
Old iron axles .....	16.00 to 17.00
Old steel rails .....	11.00 to 12.00
Heavy melting steel .....	10.25 to 10.75
No. 1 cast .....	14.00 to 14.50
Stove plate .....	13.00 to 13.50
No. 1 railroad wrought .....	9.50 to 10.50
Old car wheels .....	12.00 to 12.50
Old tramcar wheels .....	12.50 to 13.00
Machine-shop turnings .....	8.00 to 9.00
Cast-iron borings .....	8.00 to 9.00
Cast-iron borings (chem.) .....	13.00 to 13.50

### Reinforcing Steel Men See Wider Market.

Stroudsburg, Pa., October 13.—The semi-annual meeting of the Concrete Reinforcing Steel Institute, held at Shawnee-on-Delaware, Pa., was marked by an attendance exceeding by 50 per cent any previous meeting in its history. At the directors' meeting, the Peden Iron and Steel Company of Houston and Woodward Wight and Company of New Orleans were elected to the board, and Charles M. Gunn, San Francisco, was elected a director for the unexpired term of Edward L. Soule, resigned.

In his semi-annual address, President George E. Routh, Jr., said:

"We have seen signs of a wider market for reinforcing steel, through the information contained in our composite tonnage reports, which show that our members during the first half of 1928 increased their sales 11.6 per cent over 1927 and 7 per cent over 1926, while shipments were 15.5 per cent higher than in 1927 and 5.5 per cent than in 1926. In spite of this increased tonnage, the margin of profit in our industry has grown smaller, but hope of a living profit is held out to us through the improvement in the general steel market."

In speaking on "Control of Selling Costs," W. C. Conger, vice-president of the Truscon Steel Company, said:

"It is not only important to have modern products at a low production cost, but it is still more important to positively know what your production costs actually are; subdivided into job costs for any special goods and average costs for commodities. Of paramount value is a concrete knowledge of overhead costs, consisting of cost keeping, insurance, hospital, taxes, depreciation, billing, accounting, legal, administrative, engineering, delivery and average sales costs per unit of sale.

"For any study of sales application, 'Control of Selling Costs' should be divided into four divisions: First, creation of demand; second, establishment of outlets; third, influencing of markets; fourth, maintenance of sales spirit."

The directors will meet in Chicago on December 4.

### Public-Utility Earnings.

Gross earnings of public-utility enterprises in August, exclusive of telephone and telegraph companies, as reported to the Department of Commerce by 95 companies or systems operating gas, electric light, heat, power, traction and water services and comprising practically all the important organizations in the United States, were \$174,000,000 as compared with \$173,000,000 in July, and \$162,647,420 in August, 1927.

### Architectural Terra Cotta Production.

The Department of Commerce states that establishments engaged primarily in the manufacture of architectural terra cotta in 1927 reported a total output valued at \$17,449,680, without regard to such other terra cotta products as garden vases, flower boxes, art goods, etc. Of 28 establishments, three were in Missouri and one in Georgia.

## GOOD ROADS AND STREETS

### Alabama Invites Bids on 15 Bridge Projects.

Montgomery, Ala.—The Alabama State Bridge Corporation, Woolsey Finnell, president, will receive bids until November 27 at the office of the State Highway Department for the construction of each of the following 15 bridges:

- Wilcox County**—3100-foot structure across Alabama River near Camden, consisting of a 480-foot three-span continuous steel superstructure, two 160-foot deck truss steel spans, six reinforced concrete piers and 2300 lineal feet of concrete trestle.
- Monroe County**—7500-foot structure across Alabama River at Claiborne, consisting of three 200-foot through truss spans, 4 reinforced concrete piers, 3050 lineal feet of approach trestle and 3650 lineal feet of earth approach embankment.
- Cherokee County**—2300-foot bridge across Coosa River at Cedar Bluff, consisting of a 232-foot hand operated swing span, three reinforced concrete piers, 1100 lineal feet of concrete pile trestle approach and 1000 lineal feet of earth embankment.
- Saint Clair and Talladega Counties**—930-foot bridge across the Coosa River near Riverside, consisting of a 232-foot hand operated steel swing span, two 200-foot through truss steel spans and eight 365-foot concrete deck girder spans.
- Shelby and Talladega Counties**—840-foot structure across the Coosa River near Childersburg, consisting of three 180-foot through truss steel spans, two 78-foot steel I-beam spans, three 45-foot steel I-beam spans, all on reinforced concrete piers, bents and abutments.
- Pickens County**—4200-foot structure across the Tombigbee River, consisting of a 200-foot through truss steel span, two 120-foot deck truss steel spans, four reinforced concrete piers, 1700 lineal feet of approach trestle and 2000 lineal feet of earth embankment.
- Greene and Sumter Counties**—4300-foot bridge across Tombigbee River at Gainesville, consisting of a 200-foot through truss steel span, three 100 foot deck truss steel spans, 5 reinforced concrete piers, 2100 lineal feet of approach trestle and 1650 lineal feet of earth embankment.
- Greene and Sumter Counties**—4000-foot bridge across Tombigbee River near Epes, consisting of a 160-foot through truss steel span, 5 reinforced concrete piers, two 160-foot deck truss steel spans, one 120-foot deck truss steel span and 4000 lineal feet of concrete trestle.
- Choctaw and Marengo Counties**—13,300-foot structure across Tombigbee River near Butler, consisting of a 500-foot three-span continuous steel superstructure, two 130-foot deck truss steel spans, six reinforced concrete piers, 3460 lineal feet of approach trestle and 9100 lineal feet of approach embankment.
- Clarke and Washington Counties**—One-mile bridge across Tombigbee River near Jackson, consisting of a 209.25-foot vertical lift span, two 180-foot steel spans, 4 reinforced concrete piers, 2850 lineal feet of concrete pile trestle and 2000 lineal feet of earth approach embankment.
- Greene and Hale Counties**—15,000-foot structure across Warrior River near Eutaw, consisting of a 480-foot three-span continuous steel superstructure, a 160-foot deck truss steel span, 5 reinforced concrete piers, 4500 lineal feet of approach pile trestle and 10,000 lineal feet of earth embankment.
- Greene and Marengo Counties**—10,500-foot bridge across the Warrior River near Demopolis, consisting of a 480-foot three-span continuous truss steel span, 4 reinforced concrete piers, 5000 feet of approach pile trestle and 5000 lineal feet of earth embankment.
- Jackson County**—4000-foot bridge across the Tennessee River near Scottsboro, consisting of a 766-foot three-span through truss steel superstructure, four 200-foot through truss steel spans, 9 reinforced concrete piers, 1400 lineal feet of concrete and timber pile trestle and 1000 lineal feet of earth embankment.
- Marshall County**—3500-foot bridge across the Tennessee River at Gunter'sville, consisting of a 766-foot three-span continuous through truss steel superstructure, six 78-foot steel I-beam spans, 10 reinforced concrete piers and 2300 lineal feet of concrete pile trestle approach.
- Madison and Morgan Counties**—8000-foot bridge across the Tennessee River at Whitesburg, consisting of a 766-foot three-span continuous through truss steel superstructure, four 200-foot through truss steel spans, 8 reinforced concrete piers, 1800 lineal feet of approach pile trestle and 5000 lineal feet of earth embankment.

Plans and specifications for the bridges are on file at the office of the State Highway Engineer, Montgomery.

### North Carolina Asks Bids on 71 Miles Roads.

Raleigh, N. C.—The State Highway Commission will receive bids until October 30 for the construction of approximately 71 miles of roads, embraced in seven projects. The work will cover 16 miles in Johnson County, 1 mile in Wake, 5 miles of grading in Guilford, 19.4 miles in Lincoln, 9.3 miles in Catawba, 8.3 miles in Davie and 12.8 miles in Rutherford County.

The State Highway Commission, Jackson, Miss., has awarded contract to B. C. George and Co., Corinth, Miss., at \$189,000, for the construction of a hard-surfaced road from Tugaloo in Hinds County to Canton in Madison County.

### \$3,000,000 Road and Bridge Contracts Soon to Be Awarded.

Nashville, Tenn.—Bids will be opened October 26 by the Department of Highways and Public Works for 15 road projects, embracing a total of approximately 111 miles, and for 13 bridge projects. The road work will consist entirely of grade and drainage construction. The proposed bridges will include a steel and concrete structure over the Cumberland River in Stewart County, two concrete deck girder bridges in the same county, steel and concrete bridge and earth approaches over Clinch River in Hancock County, steel and concrete bridge over the Cumberland River in Clay County, concrete deck girder bridge in Henry County, steel and concrete bridge and earth approaches on 1.419 miles of state road in Davidson County, two concrete bridges in Lawrence County, concrete overhead structure and approaches in Madison County, concrete bridge over Falling Water Creek in Putnam County, timber overhead structure and approaches in Gibson County, three concrete bridges and approaches in Dickson County, concrete overhead structure and concrete bridge and approaches on .486 mile of state road in Hamilton County and concrete deck girder bridge over Stewart Creek in Rutherford County. The entire construction is estimated to cost \$3,000,000.

### South Carolina Asks Bids on 87 Miles of Roads.

Columbia, S. C.—The South Carolina State Highway Department, Ben M. Sawyer, chief highway commissioner, will open bids October 23 for the construction of 9 road projects covering a total of 87.68 miles and for 2 bridge projects, the latter embracing a treated timber and structural steel bridge over Sandy River in Chester County and a timber and structural steel bridge over Keowee River in Oconee and Pickens counties. The road work will consist of 35.25 miles of concrete surfacing, 4.4 miles of surface treatment, 39.43 miles of top soil and 8.6 miles of sand clay.

### Virginia to Celebrate Road Opening.

Richmond, Va.—Dr. J. P. McConnell, president of East Radford State Teachers College, has been named general chairman of a celebration committee to arrange exercises for the formal dedication of a Virginia section of the Lake to Florida highway, the celebration to be held at Fancy Gap, Va. This section has recently been completed and will mean the opening of a beautiful region of Virginia to tourists. A parade of units from four states, historic pageants and addresses will be on the program.

### Birmingham Asks Bids on Street Improvements.

Birmingham, Ala.—Sealed proposals will be received until October 23 by A. J. Hawkins, city engineer of Birmingham, for street improvements, including grading, sheet asphalt or Warrenite bitulithic paving, asphaltic concrete paving, brick track paving, sidewalks, concrete gutters, granite and concrete curbs and gutters, drainage, sanitary sewers and other improvements. The work has been authorized by 30 improvement ordinances. Plans and specifications may be obtained from the office of the engineer.

The Henderson County Road and Bond Commissioners, Henderson, Ky., have ordered the sale of from \$100,000 to \$200,000 of 4¼ per cent bonds for the construction of gravel roads in various sections of the county.



## TEXTILE

### \$15,000,000 Corporation to Purchase Textile Mills in South or North.

New York press reports announce the organization of the United Merchants and Manufacturers, Inc., a Delaware corporation to be capitalized at \$15,000,000, for which Homer Loring, of New York, and associates are said to have completed financing plans. The purpose of the new company, as outlined in a letter by Mr. Loring to bankers who are underwriting an issue of \$5,000,000 of stock, is to purchase either in the North or South a number of finishing plants to bleach, dye and print, and a few selected mills specializing in products being sold in large quantities by selling houses in which the company has already acquired a substantial interest. These houses, which are said to include the Seneca Textile Corporation and the Cohn-Hall-Marx Company of New York, are converters, as they are known to the trade, buying unfinished gray cloth from the mills and having it styled, bleached, dyed or printed according to the needs of their customers, who include manufacturers, mail order houses, wholesalers, chain stores and retail stores.

The capital stock of the company will consist of 5,000,000 shares of preferred outstanding and 300,000 shares of common. Kidder, Peabody and Company of New York, are offering 50,000 shares of preferred and an equal number of common stock voting trust certificates. Of the 300,000 shares to be outstanding, 250,000 shares are being purchased from the corporation, it is said, by interests identified with its management. Mr. Loring is the president of the new organization and Lawrence Marks, vice-president.

### Two New Hosiery Mills to Be Erected at High Point.

High Point, N. C.—According to recent announcements, High Point will soon have two additional hosiery mills—one to be erected by the Diamond Full Fashioned Hosiery Company, recently incorporated with a capital stock of \$300,000, and the other to be established by L. R. Terry, furniture manufacturer of High Point, who has already erected a building to house the plant. The Diamond corporation will erect a mill building on Southern avenue, using the site of the old Southern Power building. The structure will be one story, 150 by 150 feet, of brick and steel, for which plans are being prepared by Charles C. Hartman, of Greensboro, N. C. It will be equipped with 25 machines for an initial daily capacity of 250 dozen pairs of full fashioned hose, employing from 150 to 200 operatives. Officers of the company include Frank Wineskie, president and treasurer; R. R. Ragan, vice-president, and W. H. Slane, secretary.

The Terry mill will be housed in a one-story brick structure at Hamilton and Clay streets, 77 by 75 feet, with floor space to accommodate 200 machines. Arrangements are being made to install 25 machines initially for a production of 250 dozen pairs of hose daily, the output to be increased to 500 dozen pairs by the beginning of next year. The mill will manufacture high grade men's hose to be marketed before finishing or dyeing.

### \$200,000 Enlargement for South Carolina Mill.

Autun, S. C.—The LaFrance Textile Industries, Inc., of Philadelphia, new owners of the properties here of the Pendleton Manufacturing Company, are expending \$200,000 for enlargement of the plant. Improvements will include the construction of a weave shed, \$40,000 dye plant and other facilities.

It is understood that the company has contracted with the Duke Power Company, Charlotte, for connecting the mill with a 44,000-volt transmission line. The plant at present operates with power of its own production at Autun. All yarns of the Autun mill and a large proportion of yarns from the Philadelphia plant of the LaFrance corporation will be dyed in the new plant here.

### New Print Cloth Mill for South Carolina.

Catechee, S. C.—The Norris Cotton Mills Company, of which T. M. Norris, of Greenville, is president and treasurer, has awarded contracts to the Whittin Machine Works of Whitinsville, Mass., and the Saco-Lowell Shops, Boston, for machinery to equip a print cloth mill here for a daily capacity of 7200 pounds. The plant will operate 8264 spindles, the cost of the machinery to approximate \$80,000. The Norris Cotton Mills Company is capitalized at \$400,000, T. A. Folger of Central, S. C., is the secretary.

### \$1,000,000 Hosiery Plant for Wiscassett Mills.

Albemarle, N. C.—The Wiscassett Mills Company, operating one of the largest textile mills in the South, plans to build a \$1,000,000 hosiery mill as an addition to its big plant here and it is thought that work will begin within a few weeks. No official announcement has been made as to the exact location of the mill but it is understood that the company is considering several sites north of Montgomery avenue, in the vicinity of its present knitting mill, which produces ladies' and misses' cotton and wool and silk hosiery. The company's yarn mill, producing high class yarns for knitting and weaving, is equipped with 95,000 ring spindles and complementary machinery.

### \$500,000 Steel Contract for Asheville Rayon Plant.

Asheville, N. C.—The American Enka Corporation of New York, which is building a \$10,000,000 rayon plant here, has awarded contract to the Virginia Bridge and Iron Company, of Roanoke, for the structural steel work on the proposed mill. The amount of this contract is approximately \$500,000 and the steel is expected to be in place in December. As previously announced, the plant will occupy about 75 acres of a 2100-acre site, the main building to be L-shaped, 1600 and 1100 feet long by 350 feet wide. The Lockwood Greene Engineers, Inc., of New York, are consulting engineers and the H. K. Ferguson Company, also of New York, building engineer. The Nichols Contracting Company of Atlanta, has contract for excavation work.

### New Financing for Yarns Corporation—Completing Rayon Converting Plant.

Spartanburg, S. C.—New financing for the Yarns Corporation of America, announced by the A. M. Law Company, brokers, will include the issuance of 18,000 shares of convertible Class A stock, offered at \$16.75 per share. After this issue, the capitalization of the company will consist of \$250,000 outstanding 7 per cent gold bonds; \$530,000 of 6 per cent preferred stock; 18,000 shares of Class A convertible; 36,000 shares of Class B common, with 18,000 additional shares of Class B stock reserved for conversion.

The Yarns Corporation of America is completing a rayon converting plant here of 55,000 square feet of floor space. It was designed by Lockwood, Greene and Company, Inc., and erected by the Fiske-Carter Construction Company, both of Spartanburg.

## NEW AND IMPROVED EQUIPMENT

### Flood Light Attachment.

The Prest-O-Lite Co., Inc., New York, announce a flood light attachment of new design for use with the familiar small tanks of dissolved acetylene, such as are used for truck and tractor lighting. Prest-O-Lite gas tanks are available from service stations throughout the country. By the connection of the attachment a portable and powerful flood lighting unit is obtained, useful for illumination in dark places and for facilitating night work. The improved attachment is described as of simple, strong, rigid and compact construction. Universal adjustment is obtained with only one swing joint, minimizing the possibility of leakage. Due to substantial construction and because the new part is near the center line of the tank, the attachment can be used as a handle to carry the entire unit. The reflector

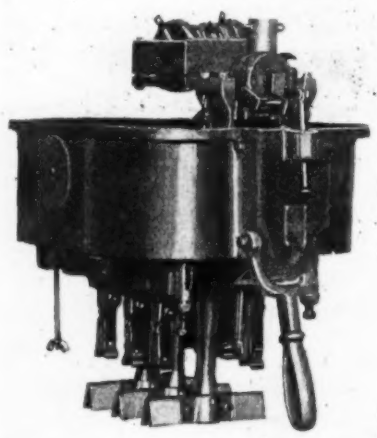


is 10 inches in diameter and can be taken off by removing a single knurled nut. A new type of burner is used which will not "carbon up." This burner is placed at a fixed focal point and requires no adjustment.

### Industrial Type Oil Circuit Breaker.

The Westinghouse Electric and Manufacturing Company has announced the manufacture of the new type F-10 oil circuit breaker applicable to 750 and 2500 volt circuits and having a current-carrying capacity of 200 and 300 amperes. This breaker is furnished in 2, 3 and 4-pole combinations and is either automatic or non-automatic as desired.

The automatic breaker has an interrupting capacity of 5000 amperes on the 200-ampere breaker and 7500 amperes on the 300-ampere breaker at rated voltage. Each contact is divided into two parts, one being the arcing portion and the other being the main current-carrying part of the contact. The parts are so located that there can be no arcing on the main current-carrying part of the contact. The breaker opens by gravity, assisted by tension springs, and is equipped with bumpers to absorb the shock of opening. The open position is maintained by gravity. There is ample air space at the top of the tank to allow for gas expansion, and the construction of the breaker is such that the entire



200-AMPERE BREAKER WITH COVER AND TANK REMOVED.

equipment may be assembled, lined up and the contacts and auxiliaries adjusted either below or above the frame before the tank or cover is placed in position.

Standard accessories such as shunt and low voltage trip, electric lockout and auxiliary switches can be supplied.

### Unit for Development Work.

Increase in subdivision work, the filling in of waterfronts, building of additional parks, playgrounds, beaches and so on, has spurred equipment manufacturers in the production of time and money-saving devices for dirt moving, trench filling and other jobs which are part of any city improvement project. Thus, almost every city job requires tractor-driven graders, scrapers, trailers, shovels and other similar devices.

A new combination of equipment on this line is the Industrial 10-20 McCormick-Deering tractor with Model DH Trackson full-crawlers and the Blair Bulldozer. This unit is de-



BLAIR BULLDOZER MOUNTED ON TRACKSON MCCORMICK-DEERING MODEL DH.

signed for such jobs as trench filling, leveling or spreading dumped materials, covering newly laid pipes, and filling ditches and bridge approaches. The Bulldozer blade is approximately six feet wide and the McCormick-Deering motor furnishes power to handle a good load of dirt on each trip. The Trackson crawlers enable it to work in soft, loose ground and slippery conditions, where wheels might have difficulty getting traction.

### New Tool Material Developed.

Cutting a screw thread in a glass rod, boring a smooth hole in a block of concrete, handling porcelain on a lathe and cutting the hardest of steels are achievements attributed to a new kind of machine tool material announced by Dr. Samuel L. Hoyt of the research laboratory of the General Electric Company. The new material, called Carboloy, is composed of tungsten carbide and cobalt, the carbide being extremely hard and the cobalt giving it the necessary strength for cutting tools.

### Foundry Supplies Census in 1927.

Establishments engaged primarily in the manufacture of foundry supplies in 1927 reported products valued at \$11,635,060, a decrease of 8.5 per cent from 1925, the previous census year, says the Department of Commerce. The establishments classified in the industry were manufacturers of foundry facings, molding sand, cement for castings, core oils and compounds, chaplets, wax, flux, "parting" composition, flasks, sieves, pipe blacking and plumbago. Of 65 establishments reporting, two were in Alabama and one in Virginia.



# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

### Airports, Airplane Plants, Etc.

La., Lafayette—City defeated \$25,000 bonds for airport. See Financial News. 9-13

Mo., Kansas City—Butler Aircraft Corp., incorporated; E. E. Norquist, 422 E. 54th St. 9-27

Tenn., Chattanooga—City votes Nov. 6 on bonds for airport. 9-27

Tex., Brownsville—City plans \$100,000 bond issue for airport and parks. See Financial News.

Tex., Greenville—City Council approved leasing of 170 acre tract near town for establishing municipal airport.

Tex., Jacksonville—Chamber of Commerce interested in establishing airport on 160-acre tract. See Want Section—Miscellaneous.

Tex., Wichita Falls—Lone Star Aviation Co., incorporated; L. P. Hammond, Staley Bldg.

### Bridges, Culverts and Viaducts

#### Proposed Construction

Alabama—State Highway Comn., Montgomery, receives bids Nov. 7 for culverts and bridges in 3 counties: Calhoun and Cleburne Counties—timber and conc. culverts and bridges on road between Wedowee and Oxford; Montgomery County—timber and conc. bridges, conc. culverts, between Montgomery and Orion, 144,000 lb. rein. steel; Woolsey Finnell, Highway Director.

Ala., Wetumpka—Elmore County Commrs. receive bids for 2 bridges. See Roads, Streets, Paving.

Ark., Paragould—Joe Straub, Supt. of Bridge Construction, Greene County, has plans for 6 steel bridges, 50 to 90-ft. spans, in various sections of county.

D. C., Washington—N. P. Severin Co., 222 W. Adams St., Chicago, Ill., low bidder for 400-ft. conc. Boundary Channel Bridge. 11-4

Florida—Preliminary engineering surveys are being made for Choctowhatchee Bay Bridge, which Alfred I. duPont interests, reported, propose to construct; Edward Ball, representative, Barnett Natl. Bank Bldg., Jacksonville. 8-30

Fla., West Palm Beach—Palm Beach County Commrs., Fred E. Fenno, Clk., Bd. of Trustees, Road and Bridge Dist. No. 4, and Lake Worth City Comn., considering repairing Lake Worth Bridge, damaged by recent hurricane; about \$15,000 available; cost \$25,000.

La., Merryville—Louisiana Highway Comn., Baton Rouge, plans bridge over Sabine River, west of Merryville; one 250-ft. and one 140-ft. steel spans, conc. piers, pile footings; estimated cost \$170,000. 9-27

La., New Orleans—Louisiana Highway Comn., Baton Rouge, received low bid from Hoffman & Jones, Madisonville, La., \$10,996, for 480-ft. creosoted timber south bulkhead for Rigolets Bridge, Chef Menteur Highway, Orleans Parish. 9-27

Mo., Kansas City—City, H. F. McElroy, Mgr., plans expending \$100,000 for underpasses to schools; \$400,000 for Oak St. viaduct. See Financial News.

Miss., Jackson—Hinds County Bd. of Suprvs. receives bids Nov. 7 for bridge at Norrell; 10,000 board ft. creosoted lumber, 540 lin. ft. creosoted piles in place; R. M. Stringer, Engr.

Missouri—State Highway Comn. receives bids for 23 bridges. See Roads, Streets, Paving.

Mo., Boonville—State Highway Comn., Jefferson City, considering \$23,000 conc. over-

head crossing over Missouri-Pacific R. R. tracks east of Boonville on U. S. Highway 40.

Mo., St. Louis—City, Bd. of Public Service, plans \$110,000 rein. conc. viaduct to carry Morgan Ford road over River Des Peres near southern city limits; L. R. Bowen, City Engr.

South Carolina—State Highway Comn. receives bids for 2 bridges and culvert. See Roads, Streets, Paving.

S. C., Greenville—Greenville County, H. Posey Dill, Supvr. received low bids, \$17,381 for 5 steel bridges to replace structures damaged by storms: 114-ft. long, 12-ft. wide, Hunt's span, Greenville Steel and Foundry Co., 124 Markley St.; 80-ft. Freeman's span, 76-ft. Mayfield's Bridge, 80-ft. Keeler's Crossing, 80-ft. Hughes' Span, from Austin Brothers Bridge Co., 1195 Mickleberry St., Atlanta, Ga.

Tenn., Knoxville—Knox County Highway Comn., Peter E. Blow, Chmn., receives bids Oct. 23 for conc. bridge over Beaver Creek, Brown Gap Road; E. D. Jeffries, Supt. of Roads. 10-4

Tex., Dallas—City Comn. receives bids soon for temporary I-beam bridge over present river channel, cost \$35,000; John M. Young, City Engr.

Tex., Dallas—Dallas County, F. H. Alexander, County Judge, and City of Dallas, plan receiving bids for \$35,000 Trinity River Bridge at Cadiz St.; plans Corinth St. viaduct; Jean H. Knox, Dallas, and F. D. Hughes, Bridge Engrs. 5-31

Tex., Houston—City, W. A. Moore, Sec., plans \$200,000 rein. conc. underpass, Houston Ave.; J. C. McVea, City Engr.

Tex., San Antonio—City, Paul E. Steffler, Commr. of Streets, plans bridge over Apache Creek, on Zarzamora St., near Cassiano Park.

Va., Norfolk—See Roads, Streets Paving.

#### Contracts Awarded

Ky., Prestonsburg—Steel & Leiby, Engrs. and Constructors, Holston Bank Bldg., Knoxville, Tenn., have contract for 2 rein. conc. arch bridges, each 500-ft. long, 126-ft. high, over Big Sandy River, Prestonsburg, and one C. & O. Ry. underpass and approach ramp.

Miss., Holly Springs—Marshall County Bd. of Suprvs. let contract to Charley Hardy, Victoria, for 3 creosoted bridges on Bankhead Highway, between Victoria and DeSoto County line. 7-26

Mo., Joplin—City, O. P. Mahoney, Commr. of Streets, let contract to M. E. Gillioz, Monett, \$69,528, for Pennsylvania Ave. viaduct over Frisco tracks. 9-27

Mo., St. Louis—City, Bd. of Public Service, let contract to Frazier-Davis Construction Co., Arcade Bldg., \$140,000 to \$152,000, for timbering of Southern Approach to St. Louis Municipal Bridge. 9-27

N. C., Canton—Haywood County Commrs., Waynesville, let contract to Austin Brothers Bridge Co., 1105 Mickleberry St., N. W., Atlanta, Ga., \$15,000, for 2 highway bridges over Pigeon River, in Canton and 3 mi. from Canton; each 130-ft. steel span, conc. abutments; 150 tons fabricated struct. steel.

Okla., Panama—Anderson Brothers Construction Co., Fort Smith, has contract, \$14,000, for 262-ft. steel bridge over Poteau River between Panama and Tahona, Le Flore County.

Okla., Wewoka—Seminole County let contracts for 2 bridges. See Roads, Streets, Paving.

S. C., Greenwood—Ashby King has contract for creosoted timber bridge over Georgia & Florida R. R. at DeVore's Store, on Dixie Highway.

Tex., San Antonio—City, C. M. Chambers, Mayor, let contract to Sumner-Sollitt Co., 609 National Bank of Commerce Bldg., \$27,287, for 32-ft. rein. conc. Ninth St. Bridge, across San Antonio River. 9-27

Tex., Zapata—George E. Cole, 3017 Brazos St., Houston, has contract for 1100-ft. international suspension bridge across Rio Grande River at Zapata; to be built above intersection of Salado and Rio Grande Rivers.

Va., Rapps Mill—American Bridge Co., 206 S. LaSalle St., Chicago, Ill., reported, has contract for 175 tons fabricated struct. steel for highway bridge at Rapps Mill.

### Clayworking Plants

N. C., Madison—Madison Shale Brick Co., Inc., will erect plant with daily output 40,000 shale face brick; install complete line of machinery. 10-11

Okla., Ada—B. H. Frick and J. C. Hynds, Committee, for securing pottery plant.

### Coal Mines and Coke Ovens

Ky., Elcomb—Elcomb Coal Co., capital \$30,000, incorporated; H. K. Buttermore, Kenes Bowling.

Ky., Manchester—Maupin Gap Coal Co. incorporated; Billard Hubbard, William Marcum, Jr.

Tex., Hot Wells—Eagle Mountain Coal and Coke Co., develop 691 acres of coal land, with daily output of 350 tons.

W. Va., East Rainelle—Low Ash Smokeless Coal Co., capital \$50,000, incorporated; D. M. Duffy, E. M. Wilson.

### Concrete and Cement Plants

Ky., Frankfort—Kentucky Cement Corp., with capital of \$2,500,000, F. B. Drew, Pres., McAllister, Okla., selected Baker Distillery property at Forks of Elkhorn, near Frankfort, as site for \$2,500,000 cement plant with annual output of 1,500,000 bbl. of new super-cement; use semi-dry process; construction to begin within next 30 days; Hunt Engineering Co., Engrs., 701 New York Life Bldg., Kansas City, Mo., and Farmers Deposit Bk. Bldg., Frankfort; Col. Leigh Hunt, of Hunt Engineering Co., and J. B. O'Rear, Gen. Mgr., of Frankfort & Cincinnati R. R. Co., will purchase machinery 6-21

### Cotton Compresses and Gins

Tenn., Bartlett—A. R. Appling let contract to N. Brumbelow, 2521 Phillips St., for 2-story cotton gin; cost \$20,000.

Tex., Angleton—Angleton Gin, Inc., chartered; Gus R. Volgt, Robert W. Henderson.

### Cottonseed-Oil Mills

S. C., Clinton—Cotton Oil Co., capital \$50,000, incorporated; John T. Stevens, F. E. Culvern.

### Drainage, Dredging and Irrigation

Tex., Brownsville—Cameron County Water Improvement Dist. No. 10 voted \$680,000 bonds to finance construction of irrigation system. 9-20

Tex., Brownsville—City considering voting bonds for dredging 16-foot channel from Brazos Santiago pass to edge of El Jardin tract, distance of 17 miles, and constructing turning basin, docks and necessary terminal facilities.

Tex., Edinburg—Hidalgo County votes Oct. 27 on \$1,500,000 bonds for irrigation in Water Control and Improvement Dist. No. 1, McAllen.

## Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Fla., Tampa—Consolidated Power & Light Corp. incorporated; J. R. Farrior, 709 Franklin St.

Georgia—Georgia Power and Light Co., Valdosta, completed surveys for extension transmission line to Hoboken, Nahunta, Schlatterville, Atkinson and Waynesville; soon let contract for extension to Pavo and Barwick; have franchises in both cities.

Ga., Macon—Stockholders of Macon Railway and Light Co., Central Georgia Power Co. and Central Georgia Transmission Co. and Georgia Public Service Corp., approved consolidation with Georgia Power Co., Atlanta; organizations now serve Macon and surrounding territory; consolidation will eliminate Georgia Light, Power and Railways, Inc., which was organized as holding corporation; stockholders of Georgia Power Co. votes this week on merger.

Ga., Rome—City plans installing white way system on Broad St.; work by Georgia Power Co., Atlanta.

La., Jennings—Gulf States Utilities Co., 362 Liberty St., Beaumont, Tex., installing transformer at Jennings substation; will construct additional line of cables between Jennings and Lafayette, carrying 66,000 volts, from that point to Baton Rouge will construct high line connecting up 2 power units; high line extension under direction of Stone & Webster engineering division; G. Sargi, in charge of construction. 9-6

La., Oakdale—Louisiana Public Utilities Co., subsidiary of American Utilities Co., 600 N. Second St., Harrisburg, Pa., plans rebuilding power plant, install internal combustion engines; supply power to Oberlin and Kinder. 9-29

Mississippi—Mississippi Power Co., Gulfport, construct 110,000 volt transmission line into Northwest Mississippi, survey to begin at once; will serve 50 towns and communities; erect complete 110,000 volt primary substation; recently acquired utility properties in 27 towns. 9-29

Miss., Tylertown—Mississippi Power and Light Co., Jackson, acquired light and ice plant of Tylertown Electrical Co. and Tylertown Ice Co.; rebuild wiring system and install street lighting system.

Mo., Kirksville—City plans power plant; Black & Veatch, Engrs., Mutual Bldg., Kansas City.

Okla., Sapulpa—City plans electric light plant; F. E. Lawrence, Engr.

S. C., Walterboro—South Carolina Power Co., Charleston, plans rebuilding entire equipment in Walterboro, construct power line from here to Cottageville, also one at Smoaks from Branchville.

Tenn., Cookeville—City received low bid from J. A. Kries & Sons Co., Burwell Bldg., Knoxville, at \$93,800 for power house and dam improvements. 9-20

Tenn., Etowah—Etowah Power Co., applied to R. R. and Public Utilities Comsn., Nashville, for authority to issue \$125,000 in bonds for retiring a \$60,000 bond issue outstanding and for securing funds to make additions to its property in mains, meters and filtration reservoir.

Tex., Austin—City votes Nov. 24 on amendment authorizing expenditure of \$1,250,000 for enlarging light and water plants.

Tex., Brownsville—See Water Works.

Tex., Houston—Houston Lighting and Power Co. let following sub-contracts for general service building in Magnolia Park: Houston Structural Steel Co., 3910 Washington St., for struc. steel and orna. iron; Peden Iron and Steel Co., 700 N. San Jacinto St., for reln. steel; Pyramid Stone Co., National and Center Sts., for cast stone; R. B. Everett & Co., 3118 Harrisburg Blvd., for Kinnear steel rolling doors and Fenestra steel sash; Cyclone Fence Co., N. S. Ship Channel, for cyclone gates; Rogers Asbestos Co., Buffalo and Commerce Sts., for corrugated asbestos roofing and siding and Pyrobestos stack lining; L. Seline, 608 Clay Ave., for sheet metal work; Higgin Mfg. Co., Newport, Ark., for metal screens; A. J. Bayer Co., Los Angeles, Cal., for elevator fronts; Don Hall, Cotton Exchange Bldg., Gen. Contrs. 10-11

## Fertilizer Plants

La., Shreveport—Dairy Fertilizer Co., Inc., chartered; Clem V. Ratcliff, Ardis Bldg.

Miss., Gulfport—Davison-Gulfport Fertilizer Co., John Parker, Mgr., will erect addition to fertilizer plant. The Davison Chemical Co., Garrett Bldg., Baltimore, Md., parent company, advises officers of corporation have not been elected and no definite plans have been made; work probably will not be started until next year. 10-11

S. C., Greer—R. A. and I. B. Dobson constructing guano factory on National Highway; 60x170 ft.; capacity 250 tons daily.

Tex., San Saba—Thos. F. Hawkins, Pres., American Fertilizer Co., Georgetown, leased building, will remodel as plant No. 2; install elevator, etc.

## Flour, Feed and Meal Mills

Miss., Greenwood—Leflore Milling Co. incorporated; W. M. Blaine, Greenwood; Fred Poole, Springfield, Tenn.; establish food and feed products plant on Carrollton Ave.

Okla., Okeene—Oklahoma Mill & Elevator Co., reported, plans 500 bbl. addition.

Tenn., Memphis—Anglo-American Mill Co., Owensboro, has contract for feed mill for Crump Bros., Old Raleigh Rd.; galv. iron, 1 story, conc. and wood floors.

W. Va., Wellsburg—Pillsbury Flour Co., reported, plans erecting \$150,000 plant.

## Foundry and Machine Plants

Md., Towson—Br. of Baltimore—Black & Decker Mfg. Co., S. Duncan Black, Pres., manufacturers of electrical tools, has merged with Domestic Electric Co., 7223 St. Clair St., Cleveland, Ohio, manufacturers of fractional horsepower electric motors for all types of tools and appliances.

## Gas and Oil Enterprises

Ark., Camden—Houston Oil Co. of Texas, let contract to M. W. Kellogg, Co., 7 Dey St., New York, for 3500 bbl. pipe still adjoining refinery at White City; increase gasoline production from 2½ cars to 10 cars daily. 7-5

Ark., Hot Springs—Pure Motor Oil System, Inc., chartered; H. C. Duke, 1128 Central Ave.

Ark., Rogers—Independent Oil and Gas Co., Kenn Bldg., Tulsa, Okla., acquired Cordell Oil Co.

Ark., Strong—Strong Pipe Line Corp., 112 N. Jackson St., El Dorado, let contract to Lion Oil Refining Corp., Exchange Bldg., El Dorado, for pipe line from Strong to Oakland, Louisiana, oil fields, loading rack, etc.

Ark., Pine Bluff—Rex Oil Co., capital \$20,000, incorporated; John F. Rutherford, 2605 Linden St.

La., Minden—Minden Gas Co. granted 25 year gas franchise.

La., Shreveport—Panhandle Carbon Co., Inc., capital \$255,000, chartered; R. W. Norton, City Bank Bldg.

La., Shreveport—Marathon Gas & Oil Co., incorporated; George R. Barnett, C. E. L. Barnett.

Md., Baltimore—Champion Oil Co., Inc., 1200 S. Paca St., chartered; Abraham Weisenthal.

Miss., Cleveland—City granted franchise to Mississippi Gas & Electric Co., for laying gas mains in city.

N. C., Leaksville—Atlantic Gas Co., Lewis Bldg., Philadelphia, Pa., has been granted gas franchise.

Oklahoma—Consolidated Gas Utilities Co. (Delaware Corp.), Logan W. Cary, Pres., Oklahoma City, offering \$4,500,000 6½% convertible gold debentures, Series A through G. E. Barrett & Co., Inc., Bauer, Pogue, Pond & Vivian, New York; Hale, Waters & Co., Boston; company owns and operates through subsidiaries completed and unified systems through production, transportation and sale of natural gas in 51 towns and communities in Western and Northern Oklahoma, south-central and southeastern Kansas, Enid, Cushing, Blackwell and Lawton, Okla.; present financing provides for construction of 14-in. high pressure lines from Wheeler County extension of Amarillo gas field to Enid; large portion of this line already completed; constituent systems comprise properties of former Midwest Gas Co., Blackwell Pipe Line Co., Oklahoma Northern Utilities Co. and Oklahoma Northern Gas Co., including together with Amarillo-Enid line and lines of Larutan Gas Corp., controlled through common stock ownership 1000 miles of transmission line; proceeds from sales of these debentures, \$8,000,000 first mortgage and collateral, 6% gold bonds, Series A. and 130,000 shares of Class A stock, were used for retirement of all outstanding funded debt and other obligations of constituent companies (except \$2,762,000

bonds of Larutan Gas Corp. and subsidiary company), for purchase of common stock of Larutan Gas Corp., for construction of Amarillo-Enid pipe line and other corporate purposes.

Okla., Cleveland—Timberline Oil Co., capital \$40,000, incorporated; Carl D. Smith, Agra; Edwin L. Foster, Cleveland.

Okla., Lenpah—Lenepah Gas Co., incorporated; W. Funnell, Lenepah; G. E. Penceo, Bartlesville.

Okla., Tulsa—Carmott Drilling Co., capital \$50,000, incorporated; H. T. Frost, First Natl. Bk. Bldg.

Okla., Tulsa—Buckeye Oil Co., capital \$60,000, incorporated; Frank Settle, First Natl. Bk. Bldg.

Tenn., Chattanooga—Chattanooga Gas Co., A. J. Goss, V.-P., plans extension of gas service mains.

Texas—Superior Oil Corp., Fort Worth, subsidiary of Atlantic Refining Co., 200 S. Broad St., Philadelphia, Pa., acquired 34,000 shares of Moody Oil Corp., Houston; properties include 50,000 acres of oil land in Texas, New Mexico, Colorado, Arkansas and Louisiana and 10,000 gal. per day natural gasoline plant in Eastland County.

Tex., Agua Dulce—Agua Dulce Oil and Gas Co., capital \$64,000, incorporated; H. F. Grimm, William Marks.

Tex., Amarillo—Fritch Oil & Gas Corp., capital \$240,000, incorporated; A. J. Hardendorf, J. B. Harris.

Tex., Ballinger—Atlantic Pipe Line Co., 260 S. Broad St., Philadelphia, Pa., acquired tract of land, erect pumping station for pipe line from West Texas oil field to Gulf of Mexico.

Tex., Beaumont—Milam Oil and Gas Co., capital \$100,000, incorporated; J. T. Booth.

Tex., Beaumont—Dixie Oil and Gas Co., incorporated; Gilbert N. Heartfield, Robert M. Heartfield.

Tex., El Paso—El Paso Gas Utilities Corp., First Nat'l Bank Bldg., granted franchise by County Commrs. to construct and maintain pipe lines in unincorporated towns over which Commrs. Court has control; construct pipe line from Lea county, New Mexico City to city to supply natural gas. 10-11

Tex., El Paso—Texas Co., 720 San Jacinto St., Houston, acquired 100 acres adjoining Pasotex Petroleum Co. as probable site for refinery. 9-6

Tex., Fort Worth—Swensoudale Petroleum Corp., capital \$100,000, incorporated; Austin F. Anderson, 609 May St.

Tex., Lufkin—Morgan Interests, Rector Bldg., Little Rock, Ark., granted 5 year natural gas franchise.

Tex., Lufkin—Dixie Gas and Fuel Co., Esperson Bldg., Houston, and Morgan Interests, negotiating for gas franchise.

Tex., McCamey—Shell Pipe Line Co. having survey made by company's engineers for oil pipe line from McCamey to site of proposed refinery and deep water terminals of Roxana Petroleum Co., both Shell Bldg., St. Louis, Mo., on ship channel near Houston.

Tex., Miami—Miami Gas Co., D. I. Barnett, Pres., construct 6 miles gas line in city, receive gas from line nearing completion from Magic City gas fields.

## Ice and Cold-Storage Plants

Ky., Greenville—Greenville Ice Co. erecting plant on Main St.; brick; W. C. Malone, Contr.

La., Oakdale—Louisiana Public Utilities Co., subsidiary of American Utilities Co., 600 N. Second St., Harrisburg, Pa., erecting large ice storage plant.

Mo., St. Louis—Spot Hardware and Supply Co., incorporated; William A. Rosenthal, 5744 A W. Florissant St.

N. C., Belmont—Belmont Ice & Fuel Co., R. L. Stowe, Pres., plans doubling capacity of plant; present capacity is 20 tons per day.

Tex., Dallas—J. B. Josephine applied to City Comsn. for permission to construct ice plant, Miller and Henderson Sts.

## Iron and Steel Plants

Ala., Alabama City—Gulf States Steel Co., W. H. Coverdale, Pres., Birmingham, Ala., expanding properties at Alabama City, Virginia Mines, Sayre and Shannon; expend between \$2,000,000 and \$3,500,000; program as planned to diversify production of steel products, also increase production.

## Land Development

Ark., Eureka Springs—Barbee Development Co., capital \$50,000, incorporated; R. C. Barbee.



D. C., Washington—National Capital Park and Planning Comm., considering 5 major parkways including lower Potomac, Great Falls, Park-Maryland extension, Northwest Branch Valley and Anacostia-Indian Creek extension.

Fla., Dade City—C. W. Williams, 1703 Central Ave., and associates, acquired 7665 acres in Darby section of Pasco County; develop for farm lands.

Fla., Fort Ogden—P. O. Wall, Tampa, acquired 70 acre orange grove.

Fla., Ocala—Sampson Citrus Properties, Inc., capital \$15,000, chartered; J. H. Williams, L. W. Duval.

Fla., Tampa—Wainwright & Payne, Inc., chartered; E. N. Crowder, 2409 Palm Dr.

Fla., Vero Beach—Mattmueller & Co., incorporated; E. H. Kellermann, M. Mattmueller.

La., Lafayette—City voted \$50,000 bond issue for municipal swimming pool.

La., New Orleans—Florida Walk Realty Co., Inc., capital \$30,000, chartered; Louis S. Goldstein, Canal Bank Bldg.

La., New Orleans—Metairie Park, Inc., increased capital to \$1,225,000.

Md., Baltimore—Frank W. Miller Realty Co., 3001 Greenmount Ave., incorporated; Frank W. Miller.

Md., Baltimore—Wm. M. Elder, 1703 N. Caroline St., plans developing 14 acre tract east of Belair Rd. at Kentucky Ave. for subdivision; install water, streets, sewer and gas.

Mo., Kansas City—Knobtown Development Co., capital \$25,000, incorporated; Roy K. Dietrich, Searritt Bldg.

Okla., Bartlesville—Chamber of Commerce, H. D. Cannon, Pres., H. E. Hulen, Chmn. Committee on Parks and Playgrounds, has selected several sites for parks and plans complete remodeling of present athletic field; city will probably vote in Dec. on bonds covering these and other features.

Okla., Rogers—City votes Oct. 30 on playground bonds. See Financial News.

S. C., Anderson—Horney Brothers, Asheville, N. C., have option on Anderson County Club property, 180 acres; plan development.

Tenn., Johnson City—Oak Hill Cemetery Assn., plans expending \$15,000 for improvements.

Tex., Big Wells—Masden Farm Development Co., incorporated; R. W. Morrow, C. R. Ruff.

Tex., Brownsville—See Airports, Airplane Plants, etc.

Tex., Big Springs—Federated Clubs interested in development of city park.

Tex., Lampasas—Charles A. Stapp, Jr., Rocksprings, acquired 4700 acres sheep and goat ranch in Burnett county.

Tex., Port Arthur—Port Arthur Real Estate Bd., T. W. Hughes, Pres., plans developing Sabine Lake front.

Tex., Houston—Roy Nichols, First Natl. Bank Bldg., develop 43 acre subdivision on Old Spanish Trail.

Tex., San Angelo—Leach Development Co., capital \$150,000, incorporated; Ed. Leach, H. A. Thompson, Jr.

Tex., San Antonio—Laguna Vista Farms, 714 Central Trust Bldg., develop 1720 acres for vegetable and fruit farming.

Tex., San Antonio—Bert McNeil Co., Blanco Road, plans development of business center; install lights, gas, water; cut Carolina St. through to Temple St., build new street connecting South Presa and S. St. Mary's St.; associated with McNeil Co., will be American Building Co.

Va., Roanoke—G. R. Hash and Son, 408 Day Ave., S. W., develop 65 acres in S. Roanoke for subdivision.

Va., Suffolk—Pitchkettle Land Corp., capital \$50,000, incorporated; A. H. Hargrave.

### Lumber Enterprises

Ky., Campbellsburg—W. S. Ransdell Lumber Co., acquired J. Chilton & Co.

La., Patterson—Joys & Laws Timber Co., Inc., chartered; Harry P. William, Jos. R. Joy.

Md., Baltimore—Western Maryland Mill and Lumber Co., Inc., 2630 W. North Ave., incorporated; Isidor Zulver.

Md., Cumberland—Potomac Valley Lumber Co., capital \$15,000, incorporated; G. C. Lorry, Huntington, W. Va.; M. N. Wilson, Elkins, W. Va.

Tex., Alpine—Storey & Whiteside acquired Howell Lumber Co.

Tex., Big Spring—Our Lumber Co., incorporated; G. P. Cone, G. D. Kilcreass.

Tex., Dumas—F. L. Baker plans establishing lumber yard.

Tex., Menard—McCarroll Lumber Co., San Antonio, acquired lumber yard of Junction Wool and Mohair Co.

Tex., San Angelo—A. Moore Lumber Co., Sherman Glass, Mgr., acquired Star Lumber Co.

### Metal-Working Plants

Md., Baltimore—American Tin Co., Inc., 70 S. Franklinton Road, chartered; William M. Connor.

### Mining

Tenn., Oliver Springs—Big Mountain Mining Co., capital \$15,000, incorporated; J. M. Ernest, Homer H. Wallace.

### Miscellaneous Construction

Md., Baltimore—Bd. of Awards, Charles F. Goob, Ch. Engr., let contract at \$956,450 to North Eastern Construction Co., Lexington Bldg., for constructing 1-story freight shed, with 2-story section, for McComas St. Terminal improvement; 100 ft. long and 160 ft. wide, with apron; 33 ft. on west side and 21 ft. on wide on east side, running full length of building, with apron 8 ft. wide at river end of pier; pier substructure including piling, docking, fills and conc. pedestals, is at present under construction under Contr. No. 2. The J. E. Greiner Co., Engrs., Lexington Bldg. 9-20

Mississippi—War Dept., U. S. Engr. Office, New Orleans River Dist., Office of Dist. Engr., River Front at Burdette St., New Orleans, La., receives bids Oct. 26 for constructing 17,200 cu. yd. of earthwork in Palmyra Levee on Palmyra Island (Davis Island), Warren County, Miss., about 19 miles below Vicksburg, Miss.—See Want Section—Bids Asked.

N. C., Charlotte—City plans bond issue to finance construction of incinerator. See Financial News. 10-11

Tex., Beaumont—Shelby Wiggins, Director of Bd. of Dock and Wharf Comms., advises contemplate some improvements at port of Beaumont, but have no plans for elevator to cost \$1,000,000; all plans at this date only tentative. 10-4

Tex., Corpus Christi—City will call for bids soon for constructing tunnel for accommodation of pedestrians from Schatzell St. to Leopard St., 400 ft. long, 8 ft. wide, 8½ ft. high.

Tex., Lufkin—City Comms. receive bids Nov. 6 for constructing incinerator plant. See Want Section—Bids Asked.

### Miscellaneous Enterprises

Ala., Montgomery—Fire Equipment—See Water Works.

Ark., Fort Smith—Quality Milk Co., care Claude Ward, 201 N. Tenth St., erect \$60,000 creamery and milk pasteurizing plant; brick, 2 stories, 150x140 ft., granitoid floors; Cable Engineering Co., Archt., Dallas, Tex.

Ark., Hot Springs—Robert H. Kittelberger, 424 Ouachita St., erect \$100,000 bakery, W. Grand St.; 142x100 ft., brick, conc., white enamel brick, with terra cotta stone and colored tile trimmings, U shape, Spanish type; J. D. Johnson, Contr., 233 Central Ave.

Fla., Clearwater—Contractor—Specialty Co., Inc., chartered; S. W. Curry, Jr., A. W. McLean.

Fla., Jacksonville—Atlantic Gulf Construction Co., Inc., chartered; H. E. Burns, Jr., J. O. Lanham, Jr., 1085 Cherry St.

Fla., Monticello—Land-O-Sunshine Creamery Co., incorporated; T. J. Fenn, Wayne Searcey.

Ga., Atlanta—Fairview Greenhouses, Inc., Charles F. Benson, V. Pres., 740 E. Lake Drive, plans expansion program, include erecting large additional greenhouse on 40-acre tract.

Ga., Columbus—Home Insurance Co., Charles L. Tyler, Pres., New York, acquired controlling interest in Georgia Home Insurance Co., contemplates increasing capital, \$200,000 to \$500,000, and surplus \$200,000 to \$800,000; Charles L. Tyler will also be president of Georgia Home Insurance Co.; local directors are Rhodes Browne, Dana Blackmar, J. Homer Dimon, R. E. Dismukes, Julius Friedlaender, H. H. Swift and Harry L. Williams; will later elect 8 new directors to represent Home Insurance Co. of New York.

Ga., Valdosta—Towne's Valdosta Steam Laundry, capital \$25,000, incorporated; J. Mack Towne, Dudley P. Towne.

Ky., Campbellsburg—Atlas Life and Accident Insurance Co., capital \$100,000, incorporated; M. W. Tucker, T. O. Morton.

Ky., Louisville—Purity Bakeries Corp., M. L. Molan, Pres., 844 Rush St., Chicago, acquired Tip Top Baking Co., Inc., 1620 Bank St.

Ky., Louisville—Bowler Publishing Co., incorporated; Thomas E. Owens, 4215 W. Broadway.

Ky., Middlesboro—Cosby Milk Co. incorporated; D. C. Yoakum, C. C. Cosby.

Ky., Richmond—Modern Dry Cleaners incorporated; Emma Railsback, Barbara Park.

La., Alexandria—Engineering Construction Co., Inc., capital \$50,000, chartered; Sam Broida, Sam H. Adler.

La., Baton Rouge—La. Tex Chemical Co., incorporated; Charles H. Hebert, Bayou Sara Road.

La., Glenmora—Glenmora Pickle Co., Inc., chartered; G. C. Vanneste, DeRidder; D. J. Milner, Glenmora.

La., New Orleans—Metairie Building Co., Inc., capital \$30,000, chartered; Ralph J. Schwarz, Canal Bank Bldg.

La., New Orleans—Southern News Publishing Co., Inc., 1813 Dryades St., increased capital to \$25,000.

La., New Orleans—Roofing Accessories Co., Inc., chartered; Louis J. Vincent, Hibernia Bldg.

La., Shreveport—Claude Neon Federal Co., J. O. McFadin, Pres., 2038 Line St., establishing factory on Texas St., to manufacture electric signs.

La., Shreveport—Usrey Candy Co. erecting \$30,000 factory; brick, 2 stories; A. C. Steere Co., Inc., Contr., Slatery Bldg. 9-20

Md., Baltimore—Stockholders of United States Fidelity and Guaranty Co., R. Howard Bland, Pres., ratified increase of capital \$10,000,000 of \$50 par to \$25,000,000 of \$10 par; outstanding \$50 par stock will be increased from \$7,500,000 to \$10,000,000 through subscription rights offered stockholders. 10-4

Md., Baltimore—Westminster Press, Inc., 2206 Mondawmin Ave., incorporated; Fannie P. Schoenthal; will engage in printing.

Md., Baltimore—Western Maryland-Fairfield Bakeries, Inc., 7 St. Paul St., chartered; Harry J. Green.

Miss., Clarksdale—Chamber of Commerce negotiating with outside interests for establishing plant for conversion of cotton seed hulls into cellulose pulp.

Miss., Jackson—I. Lehman let contract at \$9000 to Currie & Corley, Raleigh, for 2-story addition to Jackson Steam laundry, 36x90 ft., brick; Claude H. Lindsley, Archt., Lamar Bldg.

Mo., Kansas City—Dairy Equipment Co. incorporated; C. E. Mitchum, 2908 Brown St.

Mo., Kansas City—City will vote Nov. 6 on \$250,000 bonds for traffic signals. See Financial News.

Mo., Old Monroe—Old Monroe Elevator Co., incorporated; W. H. Dyer, Charles R. Clemmons.

Mo., Springfield—C. J. Patterson Corp., 4050 Penn St., Kansas City, erect \$40,000 bakery; brick, rein. conc., 96x130 ft., 1 story and basement, terra cotta trim, maple and conc. floors; Fogel Construction Co., Contr., 619 Reliance Bldg.

Mo., St. Louis—Bd. of Directors of Missouri State Life Insurance Co., Hillsman Taylor, Pres., voted to recommend that stockholders of company at meeting Dec. 8 raise capital, \$3,000,000 to \$4,000,000.

Mo., St. Louis—Geo. Noll Stair Co., 3142 Pennsylvania St., erect building, 4127-29 Chippewa St.; brick, 50x125 ft., 1 story, comp. roof; C. A. Koenig, Archt., 2036 Russell St.; owner builds.

Mo., St. Louis—Kellener Carloading and Distributing Co., 922 Security Bldg., increased capital to \$25,000.

Mo., St. Louis—A. Loudon Brick Contracting Co., Inc., chartered; A. A. Loudon, 4953 Moffit St.

N. C., Aberdeen—Machinery—Lorenson-Harbottle, Inc., capital \$50,000, chartered; L. C. Lorenson, H. R. Harbottle.

N. C., Boone—Frank Moore and others interested in establishing cheese plant.

N. C., Charlotte—Construction Specialties Co. incorporated; O. B. Brodie, Builders Bldg.

N. C., Hendersonville—McIntyre Plumbing & Heating Co., capital \$50,000, incorporated; J. W. McIntyre, Third Ave. E.

Okla., Muskogee—National Fidelity Life Insurance Co., Federal Reserve Bldg., Kansas City, Mo., acquired Eureka Reserve Life Insurance Co.

Okla., Stillwater—Stillwater Publishing Co., incorporated; A. S. McEwen, W. E. Carlson.

Okla., Tulsa—Wilson Construction Co., incorporated; J. E. Wilson, 1211 E. Easton St.

S. C., Blacksburg—City plans installing automatic traffic lights on Highway No. 29 through center of city.

S. C., Charleston—City let contract to Charleston Engineering and Contracting Co., 58 Broad St., at \$10,850 for repairing abattoir.

Tenn., Elizabethton—National Public Utilities Co. has option on Watauga Bottling Works and Elizabethton Ice and Coal Co.

Tenn., Newbern—Newbern Canning Co., incorporated; A. N. Williams, J. A. Bryant.

Tex., Amarillo—R. W. Osborne, formerly of New Brunswick, N. J., acquired Amarillo Plate Glass and Mirror Co., 314 E. Fifth St.

Tex., Dallas—Southern Old Line Life Insurance Co., capital \$29,500, incorporated; C. C. Slaughter, Slaughter Bldg.

Tex., Dallas—Universal Life and Accident Insurance Co., Insurance Bldg., increased capital, \$50,000 to \$60,000.

Tex., Galveston—Galveston Rice Milling Co. expend \$150,000 for improvements.

Tex., Gonzales—W. L. DuBose rebuilding burned plant of Continental Hatchery; brick, have capacity of 70,000 chicks every 3 weeks; operated by electricity.

Tex., Houston—Houston Coca-Cola Bottling Co., J. E. Evans, Mgr., 1210 Washington St., erect \$80,000 plant, Capitol Ave.; rein. conc., brick, 120x107 ft., 2 stories; Bringle & Smith, Archts., 1012 Norris Bldg., Atlanta, Ga.; Alfred C. Finn, Bankers Mortgage Bldg., Houston, associate and consulting Archt., will receive and open bids.

Tex., Houston—Consolidated Venetian Blind Co., capital \$25,000, incorporated; Fred. Hinesley, J. W. Dunn.

Tex., Houston—G. T. Smiley and W. R. Ohse, 1014 White Oak Drive, plan organizing corporation to manufacture new type of refrigeration coil with angle plates and angle flues.

Tex., Jacksonville—Cherokee Products Co., establishing coffee roasting plant.

Tex., Paris—Lamar Creamery Co., Inc., capital \$20,000, chartered; B. B. Harlan, C. D. Viene.

Tex., San Antonio—Sunshine Laundries and Dry Cleaning Corp., Harry M. Harrison, Pres., 617 N. Flores St., acquired plants of Sunshine Laundry and Dry Cleaning Co., and of Paul Steam Laundry.

Tex., San Antonio—Express Publishing Co. erect building, Avenue E and Third St.; 188x141 ft., 5 story, with 3-story towers; rein. conc., faced with Indian Bedford limestone; cost \$466,000; Herbert S. Green, Archt., Alamo Bk. Bldg.; following contracts let: Rein. steel, Austin Bros., 1815 Coombs St., Dallas, Tex.; metal windows and doors, Gilbert Mfg. Co., Inc., Marvin Bldg., Dallas, Tex.; miscellaneous and ornamental iron, Southern Ornamental Co., 2425 S. Harwood St., Dallas; Indiana limestone, Indiana Limestone Co., Bedford, Indiana; terra cotta, Atlanta Terra Cotta Co., Citizens & Southern Bldg., Atlanta, Ga. 9-27

Tex., San Antonio—Painters Supply Co., Inc., chartered; William Neuhaus, 347 Donaldson St.

Tex., San Angelo—Snowwhite Creamery plans erecting \$100,000 creamery, Second and Gillis Sts.

Tex., San Antonio—Colonial Cake Co., 427 Laredo St., increased capital \$25,000 to \$100,000.

Tex., San Benito—San Benito Feed Co. increased capital, \$2,500 to \$35,000.

Tex., Waxahachie—Chamber of Commerce interested in establishing cheese plant.

Va., Lynchburg—Cleveland Whitehill Co., Cleveland, Ohio, leased part of Loft Manufacturing Building, will establish plant for manufacture of men's trousers.

Va., Lynchburg—Double Quick Cleanser Corp., capital \$25,000, incorporated; C. L. Mason, 351 Norfolk Ave.; manufacture preparations for cleaning purposes.

Va., Norfolk—Southgate Molasses Co., incorporated; D. M. Thornton, 1048 Cambridge Crescent.

Va., Norfolk—General Baking Co., 420 Lexington Ave., New York, let contract to R. B. Richardson & Co., National Bank of Commerce Bldg., Norfolk, for erecting bak-

ing plant covering entire block between 24th and 25th Sts., and Gazelle Ave.; fireproof, brick, terra cotta, 300x235 ft., 1, 2 and 3 stories; cost of building exclusive of equipment, \$200,000; C. B. Comstock, Archt., 110 W. 40th St., New York City. 9-20

W. Va., Belle—American Bridge Co., 208 S. LaSalle St., Chicago, Ill., has contract for furnishing 400 tons of struct. steel for 3 lift gas holder for LaZote, Inc. 8-30

W. Va., Clarksburg—Weber & Co., New York, acquired interest in Adamston Flat Glass Co., 1628 Adams Ave.; plans expending \$1,000,000 for new units.

W. Va., Grantsville—Harry Coats, Grantsville, plans establishing bakery.

W. Va., Huntington—Johnson Construction Co., incorporated; C. K. Johnston, 216 W. 11th Ave.

W. Va., Spencer—Spencer Bottling Works, capital \$25,000, incorporated; Henry Minns, H. P. Thompson.

### Motor Bus Lines and Terminals

Alabama—Alabama Public Service Coman., Montgomery, granted permission to Central of Georgia Ry. Co., C. E. Weaver, Ch. Engr., Savannah, Ga., to operate motor bus lines between Opelika and Roanoke and between Eufaula and Ozark.

Ark., Little Rock—Southwestern Transportation Co., subsidiary of St. Louis Southwestern Ry. Co., W. S. Hanley, Ch. Engr., Tyler, acquired Krummen Motor Bus Co., Inc., Red Ball Bus Line, and permit of Smith-Arkansas Traveler Co., between Camden and Pine Bluff, all operating in Arkansas; company plans expending \$1,000,000 for expansion.

Fla., Jacksonville—City Council granted permission to Leslie H. Broome for establishing bus line from Bay and Laura Sts., to Panama Park.

Md., Baltimore—Motor Cab Co., Fidelity Bldg., incorporated; Derby A. Lynch.

Tex., Austin—Paul O. Simms, 121 W. Seventh St., let contract at \$15,383 to A. Mundt, 812 W. Sixth St., for erecting bus building; brick, rein. conc., 1 story, 46x128 ft., frame and built-up roof, cement floors; Giesecke & Harris, Archts., 207 W. Seventh St. 10-4

Va., Norfolk—Tidewater Transportation Corp., Inc., incorporated; Moses G. Nusbaum, 1208 W. Armistead Bridge Road, W. W. Starke, Law Bldg., will erect \$400,000 bus terminal, Boush St. and Brooke Ave.; 2 stories, 100x128 ft.; will include waiting rooms, rest rooms, check rooms, transfer offices, baggage room and several shops on first floor; second floor will provide parking place for 300 automobiles with private stalls; Phillip B. Moser & Co., Archts., Law Bldg.; R. T. Lipscomb, Indus. Engr.

W. Va., Shinnston—Monongahela West Penn Public Service Co., Watson Bldg., Fairmont, acquired Shinnston Bus Line, Inc., operating buses from Shinnston to Owings mines.

### Motor Cars, Garages, Filling Stations

Ark., Crossett—McGregor & Pickett, A. O. U. W. Bldg., Little Rock, has contract for erecting filling station and store; brick veneer, 1 story; comp. roof.

Ark., Fort Smith—Mid-Continent Petroleum Co., W. Q. Leavitt, Mgr., 918 Towson Ave., erect \$10,000 filling station, 13th and Midland Blvd.; brick, conc., 1 story, terrazzo floors, comp. roof; Basham & Wheeler, Archt., Kennedy Bldg.

Ark., Fort Smith—O. J. Hawkins, 801½ Garrison St., call for bids soon for erecting \$10,000 auto slaesroom and garage; brick, conc., 1 story and basement, 70x100 ft., conc. floors.

Ark., Little Rock—Dr. W. S. May, 319½ Main St., erect \$40,000 service station, 322 Broadway; brick, conc., 2 stories, conc. floors, comp. roof; will be occupied by Central Tire & Service Station.

Fla., Jacksonville—Joseph H. Walsh Co., 800 Main St., erect \$150,000 service station; Carlos B. Schoeppl, Archt., Consolidated Bldg.

Fla., Tampa—Firestone Tire & Rubber Co., Akron, Ohio, will construct \$80,000 service station, warehouse and retail store building, Lafayette and East Sts.; begin construction about Nov. 15; F. J. Kennard & Son, Archts., 303 Zack St. 8-20

Ky., Harlan—Modern Motors, Inc., chartered; L. A. Bowling, W. C. Spicer.

La., Baton Rouge—Mann-Atkinson Motors, Inc., capital \$50,000, chartered; Lawrence Mann, 2233 Tulip St.

Mo., St. Louis—National Auto Parts Co., incorporated; Harry Saffer, 6306 Southwood.

Mo., St. Louis—J. A. Schaefer Construction Co., 520 N. Grand Blvd., erect \$20,000 garage, 2103 Cass Ave.; brick, 1 story, 60x100 ft.; steam heat, tar and gravel roof; owner builds.

Mo., St. Louis—Chas. F. Bing, 3126 S. Seventh St., erect battery shop and apartment building, Seventh St.; brick, 42x115 ft., 2 stories and basement, cost \$25,000; Otto J. Krieg, Archt., 821 Wainwright Bldg.; Geo. Moeller, Contr., 3520 Itaska Ave.

N. C., Raleigh—M. C. Heartt and T. C. West erect \$18,000 garage, Hargett and Dawson Sts.; brick.

N. C., Statesville—Statesville Hudson Co., capital \$100,000, incorporated; Roy Lawrence, L. P. Williams.

N. C., Wallace—Dunn's Service Station incorporated; L. B. Powell, Gabriel Boney.

Okla., Oklahoma City—Kee McKee, 318 N. Robinson St., let contract to E. V. McCright for erecting garage, W. Second St.; fireproof, brick, 1 story, rein. conc., 130x130 ft., comp roof; Maurice Jayne, Archt., First Nat'l Bk. Bldg. 10-11

Tenn., Knoxville—C. Neil Bass, 1905 Ackler Ave., and Everett M. Clayton, 1927 Hillsboro Road, both Nashville, will erect 15-story office and garage building, Church Ave.; front and upper stories will be for offices, first six floors will contain storage space for automobiles to be divided into individual car berth, connected by system of winding inclines, or ramps; Hart, Freedland & Roberts, Archts., Independent Bldg., Nashville.

Tenn., Knoxville—Model Garage Co., R. D. Donaldson, Mgr., let contract to Weaver & McGill, General Bldg., for constructing \$50,000 garage building, at Melrose Place and W. Cumberland Ave.; 98x141 ft., conc., brick and steel; L. M. Dow, Engr. 9-20

Tenn., Memphis—Nash-Echoff Motor Co., 217 Union St., increased capital, \$15,000 to \$50,000.

Tenn., Memphis—Jefferson Investment Co., headed by W. L. Smith, Exchange Bldg., plans erecting automobile storage garage, Jefferson Ave.; 156x148 ft., fireproof, conc. steam heat; will have storage capacity of 500 cars; install gasoline station, washing devices, repair shop and other garage facilities.

Tex., Dallas—Main Tire Co., 2200 Main St., erect building, McKinney Ave. and N. Harwood St.

Tex., Elgin—Howard Bland, Sr., let contract to Ernest Groba, at \$12,500 for semi-fireproof garage; brick; cement floors, galv. iron roof; Edwin C. Kreisle, Archt., 803 Scarbrough Bldg.

Tex., Fort Worth—Jennings Avenue Motor Co., Inc., chartered; J. L. Stuckert, Stop 1.

Tex., Fort Worth—E. P. Waggoner, 1200 Summit St., erect \$90,000 garage addition, 800 block N. Commerce St.; brick and conc.

Tex., Harlingen—C. H. Lockhart erect garage; tile, conc.; J. S. Brown, Contr.

Tex., Houston—Houston Lighting & Power Co., Electric Bldg., erect garage and machine shop; 60x150 ft.; series of smaller shops covering an area of approximately 30x150 ft. and laboratory and test building 40x100 ft.

Tex., Houston—L. R. Kier, of Kier-Nickles Garage Co., 600 Louisiana St., let contract to Allen & O'Rourke, Post-Dispatch Bldg., for constructing \$30,000 super-service station, Fannin and Leeland Sts.; 125x125 ft.; J. B. Dannenbaum, Conslt. Engr., Bankers Mortgage Bldg.

Tex., Lubbock—Caprock Motor Co. incorporated; C. W. Price, D. B. Hood.

Tex., Luling—Max Rotholz, care Luling Motor Co., receives bids Oct. 22 for automobile show room and garage; brick, tile, rein. conc., 1 story, 60x125 ft., cement floor, built-up roof; Jas. C. Albertson, Jr., & Co., Archts., 537 Kress Bldg., Houston.

Tex., San Angelo—Ben Morgan of Korn & Morgan, Archts., announced contract let to Will O'Connell at \$54,525 for Hampton-Corriden sales building, Concho St.; 200x140 ft., 1 story, Spanish type.

Tex., Taylor—Howard Bland, Sr., let contract at \$11,812 to Ernest Groba for erecting garage; semi-fireproof; 48x84 ft., cement floors, frame and galv. iron roof; Edwin C. Kreisle, Archt., 803 Scarbrough Bldg., Austin. 10-4

Tex., Waco—Bender Motor Co., Inc., 927 Austin Ave., let contract to J. S. Harrison Construction Co., Liberty Natl. Bank Bldg., at \$19,000 for constructing building, Austin Ave.; stone trim, 50x150 ft.



### Railways

South Carolina — Interstate Commerce Comm. authorized Atlantic and Northwestern R. R. Co., A. M. Lumpkin, V.-Pres., 1010 Palmetto Bldg., Columbia, to construct line in counties of Charleston and Berkeley, extending from Mount Pleasant, northeastward about 32 miles to McClellanville, and northwestward about 18 miles to Jamestown where it will connect with Seaboard Air Line. 5-31

### Railway Shops and Terminals

W. Va., Handley—Chesapeake & Ohio Ry. Co., C. W. Johns, Ch. Engr., Richmond, Va., plans rehabilitating coal station.

### Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

### Proposed Construction

Alabama—State Highway Comm., Montgomery, receives bids Nov. 14 for 4 roads: Dale and Barbour Counties—12 mi. resurfacing, between Arlton and Clayton; 10,000 sq. yd. mixing sand and clay; Covington County—11 mi. resurfacing, between Andalusia and Opp; 5000 sq. yd. mixing sand and clay; Geneva County—10.00 mi. resurfacing, Geneva to Hartford; 5000 sq. yd. mixing sand and clay; Covington County—12 mi. resurface, Andalusia to Florala; 10,000 cu. yd. mixing sand and clay; Woolsey Finnell, Highway Director.

Ala., Andalusia—Covington County Commrs. Court, J. Frank Davis, Pres., plans completing roads in various sections of county, including State Highway between Andalusia and Dixie.

Ala., Birmingham—City Comm., A. J. Hawkins, Engr., receives bids Oct. 23 for 75,240 sq. yd. sheet asphalt, Warrenite bitulithic, asphaltic conc. or brick track paving, 42,650 cu. yd. excavation, sidewalks, conc. gutter, granite or conc. curb, combined curb and gutter, drainage, sanitary sewers, etc., in 31 Improvement Ordinances.

Ala., Birmingham—City Comm., Eunice Hewes, Clk., may expend \$99,935 to pave 7 streets: Twentieth, Terrace Q, both Ensley; Fifth and Fourth Ave.; A. J. Hawkins, City Engr.

Ala., Atmore—City, W. E. Rushing, Mayor, receives bids Nov. 1 for street improvement: 22,000 sq. yd. sidewalks; 1000 lin. ft. combined curb and gutter, 2300 lin. ft. 15 to 30 in. pipe, 21 catch basins, 7 manholes, storm sewers; McCalla & Kenan, Consult. Engrs., Bell Bldg., Montgomery.

Ala., Wetumpka—Elmore County Commrs., G. H. Howard, Judge of Probate, receive bids Nov. 6 to grade and drain 11 mi. road from Eclectic to Tallapoosa County line; 102 lin. ft. timber conc. bridge over Channee Hatchie Creek, 34-ft. timber conc. bridge over Gold Branch, 2880 lb. rein. steel; John H. Wolf, Jr., County Engr.

Ark., Clarksville—City, T. W. Herbey, Mayor, and Mo.-Pac. R. R. Co., E. N. Hadley, Ch. Engr., St. Louis, Mo., plan paving street on Mo.-Pac. Ry. grounds, between Main and Cherry St.

Ala., Florence—State Highway Comm., Montgomery, plans hard-surfacing with 5-in. bitulithic, Jackson Highway, Lauderdale County, in spring of 1929.

Ala., Montgomery—City, W. A. Gunter, Mayor, plans paving 1 mi. Fairview Ave., South Court St. to Country Club.

Fla., Bronson—State Highway Dept., Tallahassee, receives bids Oct. 30 for Gulf Coast Highway and lateral feeder roads in Levy County.

Fla., DeLand—Volusia County Commrs., W. P. Wilkinson, Chmn., considering 6 mi. hard surface road from State Road No. 3, Eldridge to St. John's River Bridge, Astor, being link in Daytona-Ocala short route.

Fla., Naples—City plans 4 mi. paved streets, probably conc., standard gutters and storm sewers; William Cambier, Engr.

Fla., Stuart—Martin County Commrs., L. L. Hill, Engr., plan expending \$61,800 to repair roads and bridges on 10 highways: Gaines, Mayaca, Warfield, Martin, Olympia Beach, Jupiter, Palm City Loop, Jensen Bridge.

Ga., Macon—Bibb County Commrs. plan \$500,000 road building. See Financial News.

Ga., McRae—State Highway Bd., West Point, may pave Route 27, from Dodge

County line, through Telfair County; grade Route 30 from McRae to Milan, Telfair County.

Ky., Henderson—Henderson County Fiscal Court plans gravel roads in various sections of county; will sell bonds.

La., Abbeville—Town, P. C. Broussard, Mayor, receives bids Oct. 20 for 7500 lin. ft. conc. sidewalks with drains.

La., Minden—Louisiana Highway Comsn., Baton Rouge, received low bid from Ayres & Graves, Hope, Ark., \$21,213, for 2.20 mi. Plain Dealing-Haynesville highway, Webster Parish. 9-27

La., Natchitoches—Natchitoches Parish Police Jury plans \$70,000 roads in Road Dist. A-10. See Financial News.

La., Natchitoches—City plans 8 blocks paving on Bossier, Lee, West and Gibson St.; surveys in progress; Chas. D. Evans, Consult. Engr., 414 Levy Bldg., Shreveport.

La., Shreveport—City, L. E. Thomas, Mayor, plans letting contract soon to pave Seventh St. to Market.

La., Westwego—Louisiana Highway Comm., Baton Rouge, receives bids Oct. 30 for 888 sq. yd. conc. sidewalks, Sala Ave., State Project 612-A-1; J. M. Fourmy, State Highway Engr.

Md., Baltimore—City, Bd. of Awards, receives bids Oct. 17 to grade, curb and pave with 10,200 sq. yd. cement conc. streets in Cont. 489; Nathan L. Smith, Highways Engr.

Md., Elkton—State Roads Comm., Baltimore, receives bids Oct. 24 for .5 mi. conc. State Highway, to connect with Government road, along C. & D. Canal, at Chesapeake City, and at Delaware line; John N. Mackall, Chmn.

Miss., Ashland—Benton County Bd. of Supvrs. will let contract Nov. 7 for 2 roads, east and west across Benton County; 20 mi. road, from point west of Walnut at Tippah County line to Marshall County line, near Slayden; 6½ mi., from point west of Ashland, on Benton Highway, to Marshall County line, intersecting highway from Holly Springs.

Miss., Brandon—State Highway Comsn., Jackson, plans paving with conc. west approach to Pearl River Bridge into Rankin County.

Miss., Hattiesburg—City, B. D. Moore, Mayor, plans paving 6 streets, including curbs, gutters, storm sewers, W. Fourth, College, Williams; W. E. Estes, Commr.-Clk.

Miss., Natchez—Illinois Central System, A. F. Bales, Ch. Engr., Chicago, Ill., and Mo.-Pac. Ry., E. N. Hadley, Ch. Engr., St. Louis, plan paving Broadway, Jefferson to Washington St.

Miss., Prentiss—Jefferson Davis County considering road from Mendenhall to Prentiss.

Miss., Vicksburg—Warren County Highway Comm., Paul M. Polk, Sec., receives bids Oct. 30 for 7.6 mi. gravel, Bovina-Baldwin's Ferry road, from point on Novaculite Highway, Bovina to Baldwin's Ferry Highway; 30,000 cu. yd. excavation, 6667 cu. yd. gravel surface.

Missouri—State Highway Comm., Jefferson City, receives bids Oct. 25 for 20 roads and 23 bridges: Atchison County—1.655 mi. 30-ft. graded earth, Llow line south, 53,713 cu. yd. excavation, 79,500 lb. struct. steel; bridge over Kings Branch, five 32-ft. I-beam spans, conc. piles; Norway County—413 mi. 30-ft. graded earth, Iowa line south, 12,208 cu. yd. excavation; Boone County—2.272 mi. 30-ft. graded earth, through Centralia, 16,721 cu. yd. excavation; bridge over Creek; Marion County—1.904 mi. 30-ft. graded earth, Route 61 to Quincy, 64,370 cu. yd. excavation; 1569 mi. 30-ft. graded earth, Lewis County south, 38,162 cu. yd. excavation, 230,310 lb. struct. steel; bridge over North Fabius River, 200-ft. steel truss; Henry County—1.106 and 2.769 mi. 18-ft. conc., Clinton, north, 28,368 cu. yd. excavation, 49,918 sq. yd. pavement.

In Lafayette County—1.042 mi. 30-ft. graded earth, Lexington to Waverly, 25,189 cu. yd. excavation, 63,800 lb. struct. steel; bridge over Tabo Creek, 80-ft. steel span, three 35-ft. deck girders; Platte County—1.718 mi. 30-ft. graded earth, spur Route 71 to Dearborn, 40,344 cu. yd. excavation; bridges over Bee Creek and Blezzard Branch, deck girders; Barton County—1.076 mi. 30-ft. graded south, 72,067 cu. yd. excavation; bridges over branch, Muddy Fork Spring River, and Side Ditch, deck girders and box; Cedar County—3.061 and 3.135 mi. 18-ft. gravel, Stockton-south, 51,761 cu. yd. excavation, bridges over Snag Creek and over branches, deck girder and box; Dade County—3.008 mi. 18-ft. chats, Golden City—Lockwood.

In Lawrence County—3.041 mi. 30-ft. graded earth, Mt. Vernon, west, 74,324 cu. yd. excavation, bridges over Spring River, Honey Creek and Dry Branch, deck girders and box; Hickory County—700 mi. 30-ft. graded earth, Weaubleau, east, 16,803 cu. yd. exca-

vation; bridge over Big Weaubleau; Pulaski County—3.884 mi. 18-ft. gravel, Dixon, south; Ozark County—2.816 mi. 24-ft. graded earth, Gainesville, south, 41,633 cu. yd. excavation; Butler County—rip rap and double boxes, Poplar Bluff south; double box bridges; Ripley County—3.425, 3.558 and 1.364 mi. 30-ft. graded earth, Carter County line, south 67,684 cu. yd. excavation; bridges over South Fork of Little Black River and over creeks, deck girders and box; T. H. Cutler, Ch. Engr.

Mo., Cape Girardeau—City, W. C. Kaempfer, Clk., considering improving College Ave., Ellis St. to Beadean Lane; James A. Barks, Mayor.

Mo., Clayton—St. Louis County, Roy Jablonsky, Highway Engr., receives bids Oct. 24 to improve 2725 ft. Oak St., and 4600 ft. Selbert road.

Mo., St. Joseph—City, Bd. of Public Works, considering paving Eighth St., Mitchell Ave. to Hickory St.

N. C., Gastonia—City, W. L. Walters, Clk., receives bids Oct. 29 for 15,000 sq. yd. sheet asphalt, asphaltic conc. or plain conc. pavement; 10,000 lin. ft. conc. curb and gutter, with conc. sidewalks, grading, draining, etc.; W. E. Leeper, City Engr.

N. C., Greensboro—City, E. G. Sherrill, Clk., plans widening Lindsay St., Percy to Dudley.

Okla., Norman—City Comm., plans expending \$25,000 for paving Dist. No. 62. See Financial News.

Okla., Oklahoma City—City, M. Peshek, Clk., received low bid from Western Paving Co., Petroleum Bldg., to pave Drexel Blvd.; W. W. Small, City Engr.

Okla., Oklahoma City—City Council, E. M. Fry, City Mgr., plans paving Twentieth St., May Ave. to point east of Grand Ave.; Kate Ave., Fourth to Sixth St.; W. W. Small, City Engr.

Okla., Texola—City, Liter Barnard, Clk., contemplates paving in business dist.; Benham Engineering Co., Perrine Bldg., Oklahoma City.

South Carolina—State Highway Comm., Columbia, receives bids Oct. 23 for 2 roads: Spartanburg County—17.04 mi. top soil, Route 56, section of Pauline-Enoree road; Dorchester County—9.557 mi. 18-ft. plain Portland cement conc., Route 2, Harleyville to Orangeburg County line; Ben M. Sawyer, Ch. Highway Commr.

South Carolina—State Highway Comm., Columbia, receives bids Oct. 23 for 9 roads and 2 bridges, and culvert: Aiken-Saluda Counties—12.1 mi. 18 and 20-ft. plain Portland cement conc., Route 1, between Edisto River and Batesburg; section of Route 9 through Monetts; Anderson-Oconee-Pickens Counties—13.58 mi. 18-ft. plain Portland cement conc., Anderson to Clemson College; Laurens County—4.4 mi. surface treat, Route 10, Enoree to Ora; Greenwood County—0.02 mi. surface treat, Route 25, end of pavement to Edgefield County line; Union County—8.44 mi. surface treat, Route 176, Buffalo to Spartanburg County line; Cherokee County—4.93 mi. Route 10, Chesnee to North Carolina line; Chesterfield County—8.6 mi. sand-clay, Route 35, Pageland to Jefferson; Bridges: Chester County—treated timber and struct. steel bridge over Sandy River, and rein. conc. culvert at John's Creek, Route 215; Oconee-Pickens Counties—timber and struct. steel bridge over Keowee River, Route 183; Ben M. Sawyer, Ch. Highway Commr.

S. C., Anderson—State Highway Comm., Columbia, may let contract Oct. 23 for 15 mi. paving Anderson-Clemson College highway, Anderson and Oconee Counties.

S. C., Greenville—Greenville County plans improving 3 sections of roads: 10.5 mi. grading, hard surfacing, Route 2, from end of paving near Mauldin, through Simpsonville and Fountain Inn, to Laurens County line; 6 mi. Route 152, from Route 25 to Anderson County line, at or near Cobley's Bridge, over Saluda River; grading and top-soil surface, Route 284, from Route 25, Travelers Rest, through Marietta to Greer Highway; cost \$402,000.

Tennessee—Dept. of Highways and Public Works, Nashville, receives bids Oct. 26 for 16 roads and 55 bridges. 10-4

Tenn., Chattanooga—U. S. Government, George A. Knight, Engr., plans re-paving 3.7 mi. Hooker road, with 18-ft. wide conc., from Rossville Blvd., Rossville, Ga., to Look-out Mountain pike, St. Elmo, Hamilton County; \$75,000 appropriated; work probably start within month. 9-27

Tenn., Knoxville—City, W. W. Mynatt, Dir. of Public Service, receives bids Oct. 22 for 5000 lin. ft. 24 and 30-in. conc. curb and gutter, 3000 sq. yd. sidewalks, and 5500 sq. yd. conc. sidewalk.

Tenn., Lebanon—Wilson County plans road building. See Financial News.

Tenn., Pulaski—Engrs. of State Highway Dept., Nashville, completed survey of Draper Mountain road, from Pulaski, Giles County to Lee Highway, Drapers Valley, for proposed southwestern outlet from Pulaski.

Texas—Dallas, Hartley and Sherman Counties plan forming road dist. and building Highways 5 and 54. W. R. Slaton, Hartley County Judge, Channing. See Financial News.

Tex., Alvin—City, C. W. Blair, Mayor, plans shelling streets.

Tex., Beaumont—Jefferson County, B. B. Johnson, County Judge, considering plans for Beaumont-Port Arthur Blvd.

Tex., Beaumont—City, J. W. Anderson, Mgr., plans street paving; will sell warrants.

Tex., Brownsville—City, A. B. Cole, Mayor, plans \$200,000 street paving. See Financial News.

Tex., Columbus—Colorado County considering road building in 4 Commrs. Precincts, cost \$1,500,000. See Financial News.

Tex., Comanche—City plans \$50,000 street paving. See Financial News.

Tex., Corpus Christi—City plans paving Craig Ave., Staples to Eleventh; H. L. Shaw, City Engr.

Tex., Cuero—DeWitt County, Stanley Kulawik, Judge, may widen highway 29 to 80 ft., Cuero to Hochheim.

Tex., Dallas—City Comm. plans opening Jimtown road, Edgefield Ave., to connection with Denley Drive, formerly Waxahachie road, Oak Cliff; \$70,000 available.

Tex., Dallas—City Comm. plans widening and extending Cadiz St., Lamar St. to river bottom.

Tex., Dallas—State Highway Comm., Austin, may let contract in Nov. for 10 mi. Northwest Highway, from Maple Ave. road to Dallas-Tarrant County line; bridge across Elm Fork of Trinity River, on proposed highway.

Tex., Edinburg—Hidalgo County, A. W. Cameron, Judge, receives bids Oct. 22, for 45 mi. grading, paving, Road Improvement Dist. 7, cost \$700,000; P. S. Devine, Engr.

Tex., El Campo—City, H. E. Otell, Sec., receives bids Nov. 2 for street improvements; Nagle & Rollins, Engr., Wharton. 10-11

Tex., Elkhart—Anderson County Commrs., Palestine, and city of Elkhart, considering letting contract for 18-ft. street paving to and through business section, connecting with State Highway No. 19, east of Elkhart.

Tex., Fairfield—Freestone County Commrs., Court considering paving north and south highway, Fairfield to Streetman.

Tex., Fort Stockton—City Council plans street paving.

Tex., Fort Worth—City, William Bryce, Mayor, considering paving Berry St., University Place to Eighth Ave.; probably brick.

La., Franklin—Louisiana Highway Comm., Baton Rouge, making survey for paving Old Spanish Trail in Patterson, St. Mary Parish, J. M. Fourmy, State Highway Engr.

Tex., Gainesville—Cooke County considering expending \$2,000,000 for 100 mi. gravel roads. See Financial News.

Tex., Galveston—City Comm. receives bids Oct. 25 to pave Ave. G, with 7-in. conc., Forty-fifth to Forty-sixth St.

Tex., Houston—City, W. A. Moore, Sec., receives bids Oct. 17 for two-course bit. surface treatment, Ashland St., Seventeenth to Twenty-fifth St., J. C. McVea, City Engr.

Tex., Miles—City Comm. plans paving North Robinson St. from business section to high school.

Tex., Montague—Montague County Commrs., plan expending \$750,000 for conc. road along State Highway No. 5, through Ringgold, Belcher, Nacoma, Bonita and St. Jo, joining with roads in Clay and Cooke Counties. See Financial News. 10-11

Tex., Port Aransas—Port Aransas Dist., including Aransas Pass and Ingleside, plans \$200,000 road improvement. See Financial News.

Tex., Raymondville—Willacy County, A. B. Crane, Judge, receives bids Oct. 20 for 5 mi. Bates type conc. or 2 course limestone rock asphalt on conc., Road Dist. 3, \$150,000; J. E. Johnson, Engr.

Tex., San Angelo—City Comm. received low bid from L. E. Whitham & Co., 1901 Austin St., Wichita Falls, \$26,000 for 6 blocks paving on South Madison St.

Tex., San Antonio—City, Fred Fries, Ck., plans widening Main St., Rodriguez to Ro-

mana Plaza; also widening L St.; I. Ewig, City Engr.

Tex., San Benito—City, J. Scott Brown, Mayor, plans street improvement. See Financial News.

Tex., Waco—City plans graveling Austin Ave., Thirty-fourth to Thirty-eighth.

Tex., Waco—City, E. E. McAdams, Mgr., plans opening Fifteenth St., Franklin to Columbus Ave.

Tex., Waxahachie—Ellis County, Ennis Road Dist. 16, plans expending \$489,000 to build 2 roads: Highway 14, from Palmer Dist. line to Navarro County line; Highway 34, Reagor Springs to Trinity River. See Financial News.

Tex., Wharton—Wharton County plans \$250,000 for north and south highway, El Campo Dist., to connect with Colorado County Highway to Columbus and Matagorda County Highway to Camp Palacios. See Financial News.

Va., Wise—State Highway Comsn., Richmond, plans widening 9 to 32 ft. and paving with conc. or rock asphalt 3 mi. Big Stone Gap to Appalachia road, cost \$350,000; S. A. Patterson in charge.

Va., Norfolk—City, I. Walke Truxton, Mgr., approved, tentatively, appropriation of \$80,000 for conc. bridge across Lafayette River, Colley Ave., Larchmont; \$52,000 to open Bousch St., through to connect with Llewellyn Ave.

Va., Pulaski—State Highway Engrs., Richmond, completed survey for 4 mi. Lee Highway from Dublin to point near bottom of Morgan's Hill, on north side of Norfolk and Western Ry.; H. G. Shirley, Chmn., State Highway Comm.

W. Va., Buckhannon—Upshur County, Washington Road Dist., plans \$65,000 road building. See Financial News.

W. Va., Fairmont—State Road Comsn., W. S. Downs, Div. Engr., Lock Drawer 878, Morgantown, receives bids Oct. 25 for 1.57 mi. conc. Fairmont-Smithtown road.

W. Va., West Union—Doddridge County plans \$100,000 roads in McClellan Road Dist. See Financial News.

#### Contracts Awarded

Ala., Fort Payne—Lacey Construction Co., Fort Payne, has contract, \$51,000, for 15,000 ft., 37-ft. wide conc. paving; Chas. T. Sawyer, Mayor.

Ala., Montgomery—City Comsn. let contract to McCalla & Kenan, Bell Bldg., Montgomery, \$38,000, to pave Fairview Ave., Norman Bridge road to Woodley Terrace. 11-4

D. C., Washington—Constr. Quartermaster, Army Medical Center, let contract to Maloney Paving Co., 3817 Alton Pl., N. W., Washington, for roads, parking area, sidewalks and drainage system, at Army medical center. 11-4

Ga., Augusta—Veterans' Bureau, Construction Div., let contract to Claussen-Lawrence Construction Co., 1394 Gwinnett St., Augusta, \$10,800, for road and walks at Veterans' Hospital.

Ga., Lyons—City let contract to Paul C. Howard, Greenville, S. C., for street, water and sewerage improvements; W. W. Mays, of Nisbit Wingfield Co., Marion Bldg., Augusta, Ga., Res. Engr. 4-11

Ky., Louisville—City let contract to Henry Bickel Co., 443 Garden St., for 3 blocks Bardstown road, Wrocklage Ave. to Doups Point.

La., Bastrop—Morehouse Parish Police Jury, J. W. Brodnax, Pres., let contracts to surface with sand-clay gravel, 3½ mi. road: Monroe Sand and Gravel Co., Ouachita Natl. Bank Bldg., Monroe, 1150 yds. gravel; Parker Gravel Co., Inc., Commercial Bank Bldg., Shreveport, 1150 yds. gravel; W. O. McKeithen, Grayson, spreading 2300 cu. yd. gravel. 9-20

La., Shreveport—Shreveport Paving Co., Giddens-Lane Bldg., has contract, \$2.18 per sq. yd., for 1,200 sq. yd. paving, alley between Snow and Howell St. 9-6

Md., Baltimore—Bd. of Awards let contract to William F. Huse, 2800 Montebello Ave., \$42,660, to grade Cherry Hill road, 36-ft. wide; 90,000 cu. yd. excavation. 9-6

Miss., Jackson—Comm. Council, A. J. Johnson, City Ck., let contract to G. L. Root, 81 Ann St., and Davis Co., for curbs and gutters on various streets. 9-13

Miss., Starkville—Hartman Clark Bros., Peoria, Ill., have contract, \$53,408, for conc. road through campus A. & M. College; Dr. B. M. Walker, Pres. of College. 9-27

Mo., Jefferson City—City, H. A. Nall, Ck., let contract to Pope Construction Co. to pave Elmerine Ave. from present end of pavement. 9-27

N. C., Hillsboro—Nello L. Teer, Durham, has contract for gravel surface State Highway, Chapel Hill to Nelson, Orange County.

N. C., Whiteville—Bowe Construction Co., has contract to hard surface with conc. and asphalt, State Highway Route No. 202, Chadbourn, via Cerro Gordo and Fair Bluff, Columbus County, to South Carolina line.

Okla., Altus—S. H. Atkins, Blair, has contract, \$31,614, to gravel 10 mi. Road 7, Jackson County.

Okla., Enid—Hyde Construction Co., American Bank Bldg., has contract \$24,882 for 8,750 sq. yds. grading and conc. paving, Sixth and Randolph St.

Okla., Mangum—City, Mrs. W. C. Roberts, Ck., let contract to Standard Paving Co., 2119 E. Eleventh St., Tulsa, for 6-in. conc. paving, Carolina Ave., Lincoln to Fulton.

Okla., Wewoka—Seminole County Commrs., let contract to Taylor & Younger, Oklahoma City, \$47,562, to grade and drain 7½ mi. road, between Bowlegs and Salt Creek; Whitson & Kirby, Ardmore, \$55,359, for Little River Bridge; Boardman Co., Maple and Hawk Sts., Oklahoma City, \$38,011, for Salt Creek Bridge.

S. C., Anderson—State Highway Dept., Columbia, let contract to Newell Contracting Co., Wallace Bldg., Greenville, S. C., to grade 17 mi. Anderson-Williamston-Pelzer Highway, Anderson County.

Tenn., Nashville—City Comm., Hilary Howse, Mayor, let contract to Municipal Paving & Construction Co., Independent Bldg., Nashville, \$20,711, for rock asphalt paving on Twenty-first Ave., Blair to Belair Ave.; to W. J. Bryson Paving Co., W. 14th St., Jacksonville, Fla., \$40,389, to raise grade and lay macad. foundation for new paving on First Ave., Broadway to Molloy; granite block paving First Ave., Broadway to Molloy; asphaltic conc., First, Molloy to Hermitage; south to Peabody; Hermitage Ave., Stanley to Tennessee Central Ry. 9-20

Tex., Fort Worth—City, William Bruce, Mayor, let contracts to Hughes & Everett to pave New Orleans and Denver St.; Dallas Pike; Meadowbrook Drive.

Tex., Houston—Braeswood Corp., developers, Wm. G. Farrington, Engr., let contract to Gulf Bitulithic Co., 2820 Polk Ave., \$174,238, for grading, 6-in. conc. base, 2-in. Warrenite bitulithic topping, combined curb and gutter, on streets in Sec. 1, Braeswood Addition. 10-4

Tex., Houston—City, W. A. Moore, Sec., let contract to Scott Shambaugh, 1401 Dowling St., \$111,000, to pave with 8-in. conc. base, 3-in. brick topping, Lockwood Drive, from Navigation to Clinton, across Adams St. Bridge; Two 22-ft. driveways; 16-ft. esplanade.

Tex., Palestine—Anderson County Commrs., Court let contract to Douglas Watkins, for 2½ mi. road on east end of Palestine-Denson Springs road, connecting with bridge across Neches River.

Va., Norfolk—E. P. Lindsay, 1331 High St., Portsmouth, has contract, \$8343, for conc. roads at naval hospital.

W. Va., Clendenin—Town, Dr. E. E. Osborne, Recorder, let contract to Minns & Dodd, Spencer, about \$18,000, for 15 and 16-ft. rein. conc. pavement, curbing, etc. 10-4

#### Sewer Construction

**Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.**

Ala., Atmore—See Roads, Streets, Paving.  
Ala., Birmingham—See Roads, Streets, Paving.

Ala., Guntersville—City having surveys made for sewer system; cost \$61,483; votes Oct. 16 on bonds.

Fla., Naples—See Roads, Streets, Paving.

Ga., Lyons—See Roads, Streets, Paving.

La., Eunice—City plans voting on \$80,000 sanitary sewer bonds.

La., Lafayette—City voted \$80,000 sewer bonds. 9-13



La., New Orleans—Weston Electric and Manufacturing Co., 3308 Gravier St., has contract for 15,000 kw. turbine with condenser and air cooler for Sewerage and Water Bd.; Dibert, Bancroft & Ross Co., 3400 Tulane St., for 7 pumps.

La., Plain Dealing—City let contract to Shearman Concrete Pipe Co., Hollywood Road, Shreveport, for 35,815 ft. of concrete sewers; disposal plant, and laying pipe to W. H. O'Toole Construction Co., Monroe.

Md., Baltimore—Bd. of Awards let contract to American Brake Shoe & Foundry Co., Fulton Station, at \$23,890 for iron castings, sewer inlet, Material Cont. No. 72; Belair Building Supply Co., 5502 Belair Rd., at \$19,379 for vit. terra cotta sewer pipe, Material Cont. No. 73.

Miss., Flora—City receives bids Oct. 30 for sanitary sewer system; 35,000 ft. of 6-in., 8-in. and 10-in. sewer pipe; 11 drop manholes; 37 standard manholes; flush tanks, rein. conc. sedimentation tank; Henry A. Mentz & Co., Inc., Engrs., Hammond, La.

Miss., Hattiesburg—See Water Works.

Miss., Jackson—City let contract to B. E. Walker, 183 Glen Mary St., Jackson, for sewer extension; to Southern Foundry Co., for castings; Faulkner Concrete Pipe Co., for conc. sewer pipe. 9-13

Miss., Jackson—B. E. Construction Co. has contract at \$15,500 for sewers.

Mo., Moberly—City, Carl Haynes, Engr., plans 12-in. tile sewer.

Mo., Ferguson—City plans relief sewer and sewage disposal plant, cost \$150,000.

Okla., Cordell—City has preliminary plans for sewer extensions; F. F. Ford, Engr.

Okla., Gotebo—City plans \$30,000 sanitary sewer system.

Okla., Hennessey—City plans \$35,000 sanitary sewer extension.

Okla., Perry—City plans \$25,000 sewage disposal plant.

Okla., Purcell—City votes in Nov. on \$22,500 sewer bonds.

Okla., Thomas—City construct \$35,000 sanitary sewerage system disposal plant.

Tenn., Nashville—J. W. Quinn, 901 18th Ave., has contract for clay pipe sewers; Walter J. Bryson Co., for circ. brk. sewer; L. J. Holzapfel, 533 N. First St., for clay pipe sewer in alley No. 962.

Tenn., Selmer—See Water Works.

Tex., Austin—James Contracting Co., 805 Trunk St., Dallas, has contract for storm sewers and drainage structures. 9-27

Tex., Brownsville—City plans \$50,000 bond issue for sanitary sewers. See Financial News.

Tex., Hallettsville—City having preliminary surveys for sewers made by Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio. 9-27

Tex., Houston—City plans storm sewers on Live Oak, Texas to Capitol Sts., from Rusk to McKinney and from Lamar to Dallas, sanitary sewers and curb connections on Live Oak, Capitol to Dallas, sanitary sewers from McKinney to Dallas; cost \$10,000.

Tex., Houston—City approved plans for drainage system on Live Oak St. constructed in 3 sections; also install storm sewer on portion of same street.

Tex., Port Neches—See Water Works.

Tex., San Benito—City votes in Dec. on sewer bonds. See Financial News.

W. Va., Parkersburg—City has plans for constructing fifteen 8-in. sanitary sewers in City Park section, estimated cost \$40,100; receives bids Oct. 23 for sanitary sewer in Lulu and Andrew Sts. sections to connect with trunk lines.

### Telephone Systems

D. C., Washington—Chesapeake and Potomac Telephone Co. will install 2 electric elevators, 724-30 Twelfth St.; cost \$30,000.

La., Naborton—Converse-Mitchell Telephone Co., capital \$40,000, incorporated; F. W. Denham; will expend \$10,000 for addition and improvements to building.

### Textile Mills

Alabama—Atlanta Blow Pipe Co., 297 Marietta St., N. W., Atlanta, Ga., has contract for furnishing and installing cotton conveyor and dust piping system for plants of Alabama Mills; being built at Clanton, Dadeville, Fayette, Greenville, Haleyville, Jasper, Winfield, Aliceville, Russellville and Wetumpka; Robert and Co., Inc., Engrs., Atlanta, Ga. 8-23

Ala., Sylacauga—Avondale Mills plans erecting 213x130 ft., 1 story addition to mill and 132x75, 5 story addition to warehouse;

cost \$100,000; work under direction of mill management. 1-12

Ala., Selma—Union Mills, Inc., 377 Broadway, New York (plants at Catskill, Herkemeier, St. Johnsville, N. Y.), plans organizing Union Mills, Inc., South, and removing two-unit knitting mill now located at St. Johnsville and Herkemeier to Selma; contingent upon local subscription of \$300,000. 5-24

Ga., Rome—Primrose Tapestry Co., Inc., 23d St. and Allegheny Ave., Philadelphia, Pa., advises intend to make no improvements or additions to mill, lately acquired. 10-4

Ga., Royston—Royston Spinning Mill Co. let contract to Norwood Griffin Co., Bona Allen Bldg., Atlanta, for mill unit; 1 story and basement; 80x312 ft., conc. foundations, sprinkler system; Park A. Dallis, Engr., 2364 Ponce de Leon Ave., N. E., Atlanta. 9-13

Ga., Thomaston—Thomaston Bleachery erect warehouse, 3 story, 55x92 ft.; work under supervision of Walter Thames. 8-2

La., Winnville—City plans water and light plant; Swanson & McGraw, Engrs., Balter Bldg., New Orleans.

Md., Cumberland—McClintic-Marshall Co., Pittsburgh, Pa., has contract for 730 tons struc. steel for boiler building, and 175 tons for machinery building for Celanese Corp. of America. 10-11

N. C., Albemarle—Wicasset Mills Co. will erect \$1,000,000, 3 story, silk hosiery plant, Montgomery Ave. and Third St., as addition for knitting department; install hosiery machines. 10-11

N. C., Asheville—American Enka Corp., 114 E. 32d St., New York, let contract to Virginia Bridge and Iron Co., Roanoke, Va., for the structural steel for \$10,000,000 rayon plant; Lockwood Greene Engineers, Inc., 100 E. 42d St., New York, Const. Engrs. 10-4

N. C., Belmont—Hatch Full Fashioned Hosiery Co. let contract to W. O. Pratt Co., Mount Holly, for 1 story, 90x180 ft. hosiery mill on Charlotte-Gastonia Highway; install 16 full fashioned knitting machines. 7-12

N. C., Durham—W. J. Berry, 1308 Pettigrew St., constructing full fashioned hosiery mill on Smith St.; cost \$75,000; install 6 machines.

N. C., High Point—Terry Hosiery Mills, L. R. Terry, Prop., advises have building just completed 75x77 ft., brick and steel construction with 25 machines in operation; for present will market goods in gray to other manufacturers; will add machines from time to time, about 25 to be added early part of year; later plan installing dye plant and finishing department; manufacturers men's Atlanta, Ga.

N. C., Kannapolis—Cannon Mfg. Co. let contract to Combustion Engineering Corp., 200 Madison Ave., New York, for steam generating unit consisting of 1400 hp. boiler.

N. C., Stanley—Katterman-Mitchell Co. plans installing additional looms.

Tenn., Chattanooga—Champion Knitting Mills plans expending \$100,000 for improvements and additional machinery; increase capital, \$200,000 to \$300,000. 5-10

Tenn., Cleveland—Citizens subscribed \$100,000 worth of 7% bonds for establishment of 100 loom broad silk mill by Klein Brothers of New York City; Frank J. Harle, Chrmn., Citizens Committee to select site and erect modern mill type building with 15,000 sq. ft. floor space; install new and modern machinery; manufacturers "Marilyn" crepes and satins. 9-13

Tenn., South Pittsburg—Aycock Hosiery Mills, R. C. Aycock, Pres., are erecting a 3-story factory building with 1-story annex; install R. I. knitting machines.

United Merchants and Manufacturers, Inc., Homer Loring, Pres., New York, Incorporated with authorized capital stock of \$15,000,000; acquired interest in Seneca Textile Corp., 56 Worth St., and Cohn-Hall-Marx Co., 93 Franklin St., both of New York, converters and sellers; plans to purchase number of finishing plants in South or North to bleach dye and print, and few selected mills specializing in products being sold by selling houses acquired.

### Water Works

<sup>1</sup> Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Montgomery—City votes in Nov. on \$1,000,000 bonds for water main extensions, erecting 4,000,000 gal. reservoir, boring new wells, and enlarging fire department.

Ark., Waldo—City has preliminary plans for \$15,000 water works.

D. C., Washington—Ligon & Ligon, 3310 Ridgewood Ave., Baltimore, Md., has contract for construction of standpipe foundation.

Fla., Palmetto—City receives bids Oct. 26 for pumping plant building, valves, etc.; Main Engineering Co., Inc., 112 Baker St., Daytona Beach, Engrs.

Ga., Lyons—See Roads, Streets, Paving.

Ky., Greenup—Tri State Utilities Corp., E. B. Kaiser, Keyser, W. Va., Mgr., will install water works system, drill two deep wells and construct storage tank of 150,000 gal. capacity on Kimmer Hill; company recently purchased franchise.

La., New Orleans—Sewerage and Water Board, A. G. Moffat, Sec., Room 401, Carondelet St., receives bids Nov. 15 for steel intake pipe. See Want Section—Bids Asked.

Md., Baltimore—M. and J. B. McHugh, Citizens Natl. Bank Bldg., has contract for water mains, Stevenson Lane, York Road to Towson Reservoir, at \$113,520; and Ligon & Ligon, 3110 Ridgewood Ave., contract at \$115,582 for water mains York Road, Evesham Ave. to Stevenson Lane.

Miss., Hattiesburg—City plans issuing \$20,000 bonds for laying water mains and sewers.

Mo., Poplar Bluff—City votes Nov. 16 on \$225,000 water works bonds. 9-27

Mo., St. Louis—City, Bd. of Public Service, receives bids Oct. 30 for installing heat insulation at Howard Bend Station.

Okla., Barnsdall—Barnsdall Oil Co. plans electric water plant on Birds Creek, cost \$60,000.

Okla., Blair—City plans \$30,000 water works; J. C. Milliken, Engr., Continental Bldg., Oklahoma City.

Okla., Duncan—City has preliminary plans for water main in Lancaster Addition; H. Sullivan, Engr., Temple.

Tenn., Selmer—City votes in Nov. on water and sewer bonds. 6-7

Tex., Abilene—City plans installing 24,000,000 gal. water reservoir; will acquire 5000 acres nr. Fort Phantom Hill in Southeast Jones County along Elm Creek; may vote in Nov. on bonds; R. A. Thompson, Engr., Dallas.

Tex., Beaumont—State Bd. of Water Engineers has had topographical survey completed for fresh water supply; George D. Anderson, Chrmn. Citizens Committee.

Tex., Brownsville—City plans \$150,000 bond issue for water and light system improvements and extensions. See Financial News.

Tex., Hidalgo—Central Power and Light Co., Frost Nat'l Bk. Bldg., San Antonio, plans \$30,000 water works improvements, including laying pipe, mains, laterals, 50,000 gal. stand pipe; owner builds under supervision R. J. Randolph, McAllen.

Tex., Jasper—Comms. Court install 400 gal. per minute water pump; Fairbanks, Morse & Co., Houston, in charge of installation.

Tex., Port Arthur—City let contract to Oil City Pump Co. for auxiliary gasoline pump for filtration plant.

Tex., Port Neches—City plans voting on \$125,000 bonds for water and sewer system; H. L. Thackwell, Engr.

Tex., San Antonio—F. H. Carson, 1017 Howard St., has contract for 45,000 ft. trenching for water system, Palm Beach.

Tex., San Antonio—Kirkwood-Wharton & Lee, 456 Main Ave., low bidder for replacing and additions to water system at Brooks Field. 9-27

Tex., Taylor—Cammack & Co., Inc., 39 S. La Salle St., Chicago, Ill., negotiating for municipal water plant.

Tex., Waco—City lets contract Nov. 22 for Lake Waco water works; cost \$2,000,000; Floyd & Lockridge, Constr. Engrs., Wilson Bldg., Dallas. 10-4

Va., Garden City—Garden City Water Corp., Roanoke, plans \$100,000 water works.

W. Va., Wellsburg—B. O. Cresap, Wellsburg, has contract for 2 brick pump houses over 2 wells being drilled by Layne Ohio Co.

### Woodworking Plants

Fla., East Palatka—Farmers' Mfg. Co. leased Boaz Barrel Co. with plants at Palatka, East Palatka, Hastings, Elkton, Bunnell and Yelvington; general offices will be at East Palatka.

Ga., Thomasville—Turner Box and Lumber Co., Fulton Bldg., Pittsburgh, Pa., leased remilling and planing mill plant owned by

W. E. Beverly; will manufacture boxes and crates.

N. C., High Point—Knox Furniture Mfg. Co., capital \$150,000, incorporated; J. V. Wilson, Hillcrest, High Point.

Tenn., Chattanooga—Tom McCallie, Jr., and associates, reported, plans acquiring Chattanooga Manufacturing Co., manufacturers of wooden boxes and similar products.

W. Va., Wheeling—Furniture—Long & Co., capital \$40,000, incorporated; P. P. Long, Uniontown, Pa.; Mary E. Long, Wheeling.

## FIRE DAMAGE

Ala., Opelika—Tucker Motor Co.'s building.

Ark., Blytheville—H. C. Watson's residence. Ga., Brunswick—Hospital owned by Dr. W. M. Odum; loss \$30,000.

Ga., Rome—Griffin Foundry & Machine Co.'s building.

Ky., Louisville—Lottman Oil Co.'s building; Hutchinson Brothers Transfer Co.; Nuckols Tire Co.'s building; Schneider Plumbing Co.'s store; Galyon Printing Co.'s building; Louis Electric Co.'s store, all in 400 block S. 6th St.; loss \$40,000.

Ky., Louisville—Building of Standard Oil Co. of Kentucky on Bell's Lane.

Ky., Louisville—W. A. Settle Moving, Packing and Storage Co.'s plant, 225 W. Main St.; loss \$10,000.

La., Alexandria—Arkansas Oak Flooring Co.'s plant, South Alexandria.

La., Opelousas—J. P. Barnett's moss factory.

Miss., Carter—F. R. Thompson's gin; loss \$16,000.

Miss., Natchez—Natchez Hotel, Forrest Runnels, Mgr.; loss \$25,000.

Mo., Carthage—G. A. Tallant's residence, 1415 S. Main St.; loss \$7000.

Mo., Springfield—Peoples Ice Co.'s plant, E. Pine St.; loss \$20,000.

N. C., Lexington—Plant of North Carolina Candy Co.; loss \$20,000.

S. C., Greentown—Geo. Goodlitte's residence.

S. C., Greenwood—Southern Cotton Oil Co.'s gin.

S. C., Laurens—R. V. Irby's residence.

S. C., York—York Wholesale Grocery Co.'s building, J. S. Mackerel, Pres.; loss \$15,000.

Tenn., Indian Mound—T. P. Vaughan's mercantile stores; loss \$10,000.

Tenn., Kingsport—Four dwellings and two stores on Lee Highway near Kingsport, owned by S. S. Sampson and J. M. Burnett.

Tex., Beaumont—Pumping station of Deep Test Oil Co. near Spindle Top.

Tex., Fairview, Sta. Houston—Farmers Service Gin.

Tex., Stamford—Evans Hotel. Address The Proprietor.

Tex., Terrell—Broadland, residence of Mrs. Bell Martin; loss \$21,000.

Tex., Yoakum—Texas Wholesale Grocery Co.'s building; O. R. Davis, Pres.; loss \$10,000.

W. Va., Martinsburg—Apple packing shed of Apple Pie Orchards, T. W. Martin, owner; loss \$8000.

# BUILDING NEWS

## BUILDINGS PROPOSED

### Association and Fraternal

Md., Baltimore—Young Men's Christian Association of Johns Hopkins University received bids Oct. 18 for bldg., to be known as Levering Hall; \$225,000, Colonial type, fireproof, 2 stories, cafeteria, soda fountain, library, lounge, ladies' parlor, service kitchen; Palmer & Lambdin, archts., 513 N. Charles St.; following contractors estimating: Consolidated Engineering Co., 20 E. Franklin St.; Fraunie Bros. & Haigley, 19 W. Franklin; Thos. Hicks & Sons Co., 106 W. Madison St.; B. F. Bennett Building Co., 123 S. Howard St.; L. L. Chambers, Inc., 26th St. and Roland Ave.; North-Eastern Construction Co., Lexington Bldg.; M. A. Long Co., 10 W. Chase St.; Cogswell-Koether Co., 406 Park Ave.; Edward G. Turner, 2-2

Miss., Vicksburg—Salvation Army erect \$25,000 building to replace burned structure.

Tex., Beaumont—Young Men's Christian Assn., T. N. Whitehurst, Chmn., Bldg. Comm., receives bids Nov. 5 for brick, rein. conc., steel and cast stone building; \$400,000, 4 stories; Tisdale, Stone & Pinson, Archts., Intl. Life Bldg., Nashville, Tenn., and Goodhue Bldg., Beaumont; John W. Ogg, Supvg. Archt., care Architectural Bureau, Intl. Comm., Y. M. C. A., 347 Madison Ave., New York. 8-23

Tex., Sherman—Woodmen Circle Assn., Mrs. Mary E. LaRocca, Pres., Omaha, Neb., accepted plans for \$500,000 national home for aged and orphans; 2-story and basement administration building; 2-story cottages; John Tulloch, Archt.; H. E. Hall, Landscape Archt., care Texas Nursery, both Sherman. 5-17

Va., Radford—American Legion, J. J. Giesen, member, Bldg. Comm., accepted plans for memorial building, First and McCandless Sts.; 1 story and basement, 35x70 ft., cement block; auditorium, lockers, showers.

### Bank and Office

Ala., Birmingham—Breen Real Estate and Insurance Co., 316 N. 21st St., interested in 11-story Medical Arts Bldg., 20th St. and Seventh Ave., South; \$640,000; D. O. Whillden, Archt., 515 N. 21st St.

Ala., Mobile—Merchants Securities Corp., St. Francis St., affiliated with Merchants National Bank erect \$750,000 bank and office bldg., St. Joseph and St. Francis Sts.; rein. conc. constr., struct. steel, brick walls, stone trim, 12 or more stories, built-up roof;

Warren, Knight & Davis, Archts., Empire Bldg., Birmingham; Owen & Clark, Asso. Archts., Mobile; C. A. Wilmore & Associates, Engrs., Protective Life Bldg., Birmingham, Ala. 10-11

Ark., Little Rock—W. B. Worthen Co., Boyle Bldg., selected Geo. R. Mann, Wanger & King, Donaghy Bldg., as architects for 2-story and basement bank building, Fourth and Main Sts.; stone, steel and conc. 50x140 ft., marble, terrazzo and cement floors, comp. roof, conc. foundation. See Want Section—Building Material and Equipment. 10-11

Ark., Sulphur Springs—Benton County Banking Corp. erect 2-story stone bank bldg., Spring St.; work start about 10 days.

Ark., West Memphis—St. Francis Levee Bd., H. D. Tomlinson, Pres.; H. N. Pharr, Ch. Engr., erect brick and conc. office bldg.; 2 stories and basement, 42x77 ft., conc. and wood floors, built-up roof, steam heat; Estes W. Mann, Archt., Cotton Exch. Bldg., Memphis, Tenn.

Ky., Lewisport—Bank of Lewisport, Joe C. Pell, Pres., remodel bldg., Fourth St., for new quarters.

Miss., Brookhaven—Emmett J. Hull, Archt., Merchants Bk. & Trust Co. Bldg., Jackson, drawing plans to remodel old jail into office bldg.; call for bids early in Nov.

N. C., Lenoir—First National Bank remodel building for quarters.

N. C., Raleigh—Mechanics Savings Bank remodel first floor of building for new quarters.

Okla., Oklahoma City—Joe Eisele, Pres., Packard Motor Co., 820 N. Broadway, erect \$150,000 office bldg., 1010 N. Broadway; drawing plans.

Okla., Tulsa—Morris Plan Company of Oklahoma, B. M. Gessel, Chmn., Bldg. Comm., 314 N. Robinson St., purchased site, Fourth and Boulder Sts.; plans building.

Tenn., Knoxville—Medical Arts Building Corp., 615½ Market St., care J. P. Stanton & Co., having specifications drawn for \$750,000 Medical Arts Bldg., Main Ave. and Locust St., and will probably call for bids in about 30 days; Gothic type, 13 stories, L shape, 19,650 sq. ft. ground area, 70x103 ft.; 3-story, 200-car garage, 109x145 ft., in connection; fireproof, rein. conc. metal trim doors and windows, ceramic tile, cork tile and rubber tile floors; Manley & Young, Archts., 302 W. Church St. 7-12

Tenn., Knoxville—C. Nell Bass, 1905 Acklen Ave., and Everett M. Clayton, 1927 Hillsboro Road, both Nashville, erect 15-story office and automobile storage building, Church Ave.; offices in the front of the building and on entire upper floors; garage room on rear sections of lower 6 floors; store space in front of first floor; Hart, Freeland & Roberts, Archts., Independent Bldg.; Roberts & Co., Conslt. Engrs., both Nashville.

Tenn., Nashville—Fourth and First National Bank selected Ludlow & Peabody, 101 Park Ave., New York, as architects for \$800,000 bank and office bldg., Fourth Ave. and Union St.; stone and steel, 15 stories, 85x100 ft. 10-11

Va., Richmond—Central National Bank, Tenth and Main Sts., erect \$1,500,000 bank and office bldg., Broad and Third Sts.; L shape, Indiana limestone front on Broad St., 15-story and basement, 61x145-ft. main section, with 4-story wing, 26-ft. front, on Third St.; banking room 57x145 ft., 37 ft. high; 4000 safety deposit boxes and 16 customers' rooms in basement; special ventilating system in banking room; telautographs, high-speed elevators; arcade; Ebersson & Ebersson, Archts., 200 W. 57th St., New York and 212 E. Superior St., Chicago, Ill.; Carneal & Johnston, Supvg. Archts., Electric Bldg., Richmond.

### Churches

Ala., Birmingham—Church of the Advent, Sixth Ave., North, and 20th St., Dr. Chas. Clingman, Pastor, 2015 Sixth Ave., N., considers building, Seventh Ave., North, and 21st St.

Ala., Coker—Presbyterian Church plans Sunday school annex.

Fla., New Smyrna—Baptist Church erect building; soon let contract. Address The Pastor.

Fla., West Palm Beach—Baptist Church erect building to replace structure damaged by hurricane. Address The Pastor.

Ga., Atlanta—First Presbyterian Church, Frank M. Inman, Chmn., Bldg. Comm., having plans drawn by A. Ten Eyck Brown, Archt., (A. Barile, Jr., Associate), Forsyth Bldg., Atlanta, for \$150,000 Sunday school and new tower; Hobart Upjohn, Conslt. Archt., Grand Central Terminal, New York; probably open bids about Dec. 15; rein. conc., 4 stories, tar and gravel guaranteed roof, rein. conc. foundation. Address Archt. See Want Section—Building Material and Equipment.

La., Shreveport—Central Christian Church has low bid at \$66,066 from H. Cleveland, 856 Hope St., for Sunday school and remodeling church; Jones, Roessler, Olschner & Weiner, Archts., Ardis Bldg. 10-4

Mo., St. Louis—Congregations of Temple Israel, Kings Highway and Washington Blvd., Shaare Emeth, Vandeventer and Lindell Blvd., and B'Nai El, Spring and Flad Aves., consider consolidating and erecting \$1,000,000 temple; Leo C. Fuller, Gen. Chmn., Consolidated Comm., 6444 Ellenwood Ave.

N. C., Charlotte—Myers Park Methodist Church, H. C. Sherrill, Chmn., Bldg. Comm., having plans drawn by Louis H. Asbury, Archt., 1514 E. Fourth St., for \$100,000 bldg., Providence Rd. and Queens Rd. East; accommodate about 500, probably stone construction. 10-27-27

N. C., Greensboro—Park Place Methodist Church, N. Elm St. and Fisher Park Circle, C. C. Hudson, Chmn., Bldg. Comm., start work by Spring on \$125,000 to \$150,000 bldg., site present structure.

N. C., Lake Junaluska—Long's Chapel Methodist Church, Rev. Frank Siler, Pastor, has broken ground for \$25,000 brick building.

Mo., Hickman Mills—Christian Church, O. V. Slaughter, member, erect \$30,000 building.

S. C., Townville—Baptist Church, Rev. J. Furman Moore, Pastor, plans building.

Tenn., Knoxville—First Christian Church, Otto Roehl, Chmn., Finance Comm., erect \$75,000 bldg.; 3 stories, brick, accommodate 600, 35 classrooms; raising funds; A. F. Wickes, Archt., 5833 Bartmer St., St. Louis, Mo.; work start about Jan. 1.

Tenn., Fountain City, Knoxville—Fountain City Presbyterian Church, Rev. F. S. McCorkle, Pastor, raising funds to apply to \$12,000 to \$15,000 building fund.

Tex., Corpus Christi—First Baptist Church, Rev. Theo. A. Bunford, Pastor, plans \$40,000 Sunday school, Mesquite and Taylor Sts.

Tex., Marlin—First Baptist Church, Rev. S. D. Dollahite, Pastor, plans \$50,000 building.

Tex., San Benito—Church of the Nazarene, Rev. R. E. Cummings, Pastor, 34 N. Sam



Houston Blvd. let contract to W. P. Malory for \$10,000 building, Dick Dowling Ave. and Robertson St.; frame. 9-20

### City and County

Ark., Corning—City considers erecting 1-story brick veneer fire station.

D. C., Washington—District Commrs., Dist. Bldg., Roland Brennan, Ch., Clk., Dist. Engineer Dept., receives bids Oct. 29 for engine house for No. 30 Engine Co., 16th St. and Colorado Ave., N. W.; \$66,000 available.

Fla., Jacksonville—City Council erect bldg., City Prison Farm, for offices and sleeping quarters; brick, 2 stories; Capt. Byron Parker, Supt. of Farm.

Fla., Lake Worth—City Comsn., C. A. Johnson, Bldg. Inspector, plans to repair city hall, Lake Ave., damaged by hurricane.

Fla., Miami Beach—City, E. R. Neff, Engr., erect comfort station, Washington Ave. and Second St.; Russell T. Pancoast, Archt.; 1139 Lincoln Rd.; plans completed.

La., New Orleans—City Comsn. Council receives bids Oct. 23 for stone, tile and face brick stable, Sixth and Saratoga Sts.; 1 story, 75x95 ft., rein. conc. foundation, steel arch, asbestos roof, \$15,000; A. S. Montz, City Archt.; following contractors estimating: A. Garrett, Maritime Bldg.; Thos. H. Brockman, Hibernia Bank Bldg.; J. A. Petty & Sons, Inc., Godchaux Bldg.; J. V. & R. T. Burkes, New Orleans Bank Bldg.; Dudley & Wikle Construction Co., Stern Bldg.; Chas. Gilbert, Canal Bank Bldg.; Lionel F. Favret, Louisiana Bldg.; Reilly-Ruckstuhl, Inc., 423 Carondelet St.; R. P. Farnsworth & Co., Maritime Bank Bldg.; H. Pratt Farnsworth, Canal Bank Bldg.; J. A. O'Brien, Louisiana Bldg.; Riemann Construction Co., Maritime Bldg. and Hacner & Taylor, 322 Nashville Ave. 19-27

N. C., Charlotte—City Comsn. receives bids Oct. 19 for two fire stations, Myers Park and Wesley Heights; \$45,000.

Okla., Rogers—City votes Oct. 30 on \$45,000 bonds, including amount for city hall. Address City Council.

Tenn., Maryville—Blount County Court, John C. Crawford, Judge, remodel and repaint jail.

Tenn., Springfield—Robertson County Court, J. S. Bartlett, member, will petition Legislature to authorize bond election to remodel and enlarge courthouse; probably \$75,000.

Tex., Alvin—City, J. Dobert, City Sec., opens bids Nov. 1 for hollow tile and stucco city hall; \$20,000; 2 stories, 40x60 ft., conc. and wood floors, rein. conc. foundation, built-up roof; Curtis & Thomas, Archts., Post Dispatch Bldg., Houston. Address Mr. Dobert. See Want Section—Building Material and Equipment. 10-11

Tex., Galveston—Special Comm., Judge J. C. Canty, and others, will urge Galveston County Court to call election on \$250,000 bonds for new bldg. and site for First Court of Civil Appeals. 9-27

Tex., Houston—City Council has low bid from B. P. Panas, Binz Bldg., at \$13,300 each for 2 police sub-stations, North Side and Heights West End district; plans by W. A. Dowdy, City Archt.

Tex., Temple—City Comsn., G. E. Byars, City Mgr., rejected bids for \$150,000 city hall; probably revise plans and call new bids; Milton W. Scott & Co., Archts., 412½ Franklin Ave., Waco. 9-27

Va., Rosslyn—Arlington County Bd. of Supvrs., Wm. H. Duncan, County Clk., selected Upman & Adams, Woodward Bldg., Washington, D. C., as architects for fireproof record building; 1 story with provision for additional story; brick, stone and conc., 42x92 ft., comp. roof.

### Dwellings

Ala., Birmingham—Geo. Johnson, J., 2725 Hanover Circle, erect brick veneer residence, Mountain Brooke Estates; 1 story, 70x50 ft., slate roof, steam heat; Geo. Gehred, Archt., Lincoln Lfite Bldg.

Ala., Birmingham—E. E. Daniels, Phoenix Bldg., erect brick veneer residence, Milner Heights; 2 stories, comp. roof; Denham & Denham, Archts., Comer Bldg.

Ala., Birmingham—Dr. A. U. Hargan, First Natl. Bk. Bldg., erect brick veneer and half timber residence, Redmont Park; 2 stories, slate roof; Turner & McPherson, Archts., Martin Bldg.

Ala., Talladega—Bemis Bros. Bag Co., 601 S. Fourth St., St. Louis, Mo., erect number employees' dwellings, in connection with mill construction, Bemiston, near Talladega.

Ala., Mentone—Philip S. Mewhinney Archt., Woodward Bldg., Birmingham, about

completed plans for \$10,000 frame dwelling; 1 story, comp. roof, waterworks system.

Ala., Tuscaloosa—W. H. Nichol erect brick veneer residence; 1 story, tile and oak floors, shingle roof, 2 baths; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas Tex.

Ark., Brinkley—Atty. W. W. Sharp, erect 2 bungalows.

Ark., Brinkley—Mrs. Gus Rusher erect bungalow.

Ark., Brinkley—J. T. Lanier erect 2 dwellings, South End.

D. C., Washington—J. E. Fox has permit for brick and tile residence, 5908 Sixteenth St., N. W.; 2 stories, \$19,500.

D. C., Washington—Edw. P. Bartlett, 4420 49th St., N. W., has permit for brick residence, 4930 Butterworth Place, N. W.; 2 stories, \$10,000.

D. C., Washington—E. T. Lindner, 5336 41st Ave., N. W., has permit for \$13,000 residence, 4921 Thirtieth St., N. W.; brick, 2 stories.

D. C., Washington—Hedges & Middleton, Inc., 1412 I St., N. W., have permit for 4 brick and tile dwellings, 4100-08 Thirtieth St., N. W.; 2 stories; \$31,500.

D. C., Washington—S. M. Williams has permit for 4 brick dwellings, 550-58 Peabody St., N. W.; 2 stories; \$24,000.

D. C., Washington—Henry J. Connor has permit for \$15,000 residence, 1333 Jonquil St., N. W.; brick, 2 stories.

D. C., Washington—D. E. Hackett has permit for brick residence, 4506 Forty-ninth St., N. W.; 2 stories, \$10,000.

D. C., Washington—Mrs. Harry Bennett has permit for \$11,000 residence, 1313 Juniper St., N. W.; brick and tile, 2 stories.

Fla., Coral Gables—Mrs. Clarence Busch, Palm Island, erect \$15,000 to \$17,000 residence, Granada section; conc. block, 1 story, 75x86 ft. with center patio, tile and wood floors, tile roof; Dunlap & Moe, Archts., Washington, D. C.

Fla., Daytona Beach—Miss Winifred Kingston, 114 Volusia Ave., erect 2 dwellings, Butler Blvd. and Hollywood Ave., Momento sub-division; stone tile, 28x32 ft. and 32x35 ft., double garages; \$10,000.

Fla., Tampa—W. C. Zieckgraff, 202 Blanca Ave., start work within 30 days on \$25,000 dwelling; Schumacher & Winkler, Archts., 610 Magla St.; plans additional dwellings.

La., New Orleans—Geo. de Luca, 8230 Sycamore St., erect \$10,000, single raised residence, Carrollton Ave. near Panola St.; tile roof, 31x60 ft.

La., New Orleans—Sacred Heart Mission Bldg. Comm. receives bids Oct. 28 for rectory; stucco, 2 stories, rein. conc. foundation, slate roof, tile baths, wood floors, steam heat; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans.

Md., Baltimore—Wm. S. Norris, 2943 St. Paul St., erect 2 frame dwellings and garages, 3025-27 Northern Pkwy; 2 stories; \$10,000.

Md., Baltimore—H. Melvin Bull, Gunther Bldg., erect \$15,000 residence, 4501 St. Albans Way, Homeland; brick, 2½ stories.

Md., Baltimore—Roland Park Co., Roland Park; erect 2 brick dwellings, Charles St. and Witherspoon Rd. and Charles St. and Upnor Road; 2½ stories; \$60,000.

Miss., Jackson—J. H. Tripp erect face brick veneer residence; 1 story, oak floors, shingle roof; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Miss., Shaw—Earl B. House erect brick veneer residence; 1 story, pine, oak and tile floors, shingle roof, 2 baths; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Mo., Clayton, St. Louis—Wm. White, 8815 Warren St., erect \$13,000 residence, Moorlands Park; brick, 60x35 ft.

Mo., Kansas City—Fidelity Building Co. purchased 6 homesites, Romanelli Gardens.

N. C., Charlotte—J. H. Carson, 328 S. Tryon St., erect 2 dwellings, 2103 Norton Rd. and 12 Radcliffe Ave.; brick veneer and stone and stucco, 1 and 2 stories; \$17,500.

N. C., Durham—Mrs. Minnie Freedman erect \$10,000 residence, Mangum St.; 9 rooms.

N. C., Greensboro—Dr. T. E. Sikes, Jefferson Bldg., erect \$16,000 residence, W. Greenway and Madison Ave., Sunset Hills; brick veneer, 2 stories, 8 rooms; J. L. Crouse, Contr., American Bk. Bldg.

N. C., Raleigh—M. S. Humphrey erect \$10,000 residence, Aycock St.

Okla., Goodwell—Panhandle A. & M. College erect \$10,000 president's home; Layton, Hicks & Forsyth, Archts., Baniff Bldg., Oklahoma City.

Okla., Oklahoma City—A. C. Parker, 335 E. 36th St., South, erect 2 brick duplexes, 933-37 E. 15th St.; \$10,000.

Okla., Tulsa—T. J. Chastain, 2116 N. Boston Pl., erect \$12,000 residence, 2247 N. Denver Place; brick veneer, 2 stories.

Okla., Tulsa—Adams & Reddin, Exchange Natl. Bank Bldg., erect 5 dwellings, 2652 S. Trenton, 1608-12-15-19 S. College St.; \$4500 each.

Okla., Tulsa—C. D. Cooper, 1763 S. Utica St., erect \$10,000 residence, 1516 E. 21st St.

Okla., Tulsa—R. Glen Wilson, Tulsa Loan Bldg., erect \$14,000 residence, 2633 S. Terwilliger Blvd.

Tenn., Knoxville—R. S. Tester, Arnold Apts., erect \$12,000 hollow tile residence, Hillvale Circle.

Tenn., Memphis—Lee Saunders, 461 S. Front St., considers erecting \$75,000 brick and stone duplex; 2 stories and basement, oak floors, tile roof and baths, steam heat, garages and servants' quarters.

Tenn., Old Hickory—DuPont Rayon Company, Inc., erect 220 additional operatives' dwellings.

Tex., Beaumont—John K. Mason, 2560 North St., erect \$16,000 residence, Averill sub-division; 10 rooms.

Tex., Dallas—Fonzie E. Robertson, Archt., Republic Bank Bldg., erect \$15,000 dwelling, 4327 Lorraine St., Highland Park; brick, 2 stories.

Tex., Dallas—Florence & Dreyfuss Co. erect \$10,000 dwelling, 4226 McFarlin Blvd., University Park; brick, 2 stories.

Tex., Edinburg—T. J. Hartman erect frame and stucco residence.

Tex., Houston—C. C. Rouse, Bankers Mortgage Bldg., erect \$10,000 residence, 4745 McKinney St.; brick veneer, 2 stories.

Tex., Houston—C. F. Snyder erect \$10,000 residence, 1931 W. Lamar St.; brick veneer, 2 stories.

Tex., Houston—Woodson Realty Co., 914 Franklin St., erect 2 brick veneer dwellings, 5133 Mulford and 5133 Lindsay Sts., Lawndale addition; 6 rooms; \$18,000.

Tex., Houston—Mrs. Haywood Nelms, 1802 E. Alabama St., started work on 2-story residence, River Oaks; Frank J. Forster, Archt., 33 W. 42nd St., New York.

Tex., Houston—C. H. Hardison, care Houston Oil Co., Petroleum Bldg., erect residence, Braeswood Blvd., Braeswood; drawing plans.

Tex., Houston—Walter H. Smith, Second Nat'l Bk. Bldg., having plans drawn by Percy Pamorow Turner, Esperson Bldg., for residence, Greenbriar Drive, Braeswood.

Tex., Houston—Postmaster Roy B. Nichols plans residence, Old Spanish Trail section.

Tex., Houston—Ben Levy, Bankers Mortgage Bldg., plans country residence, Old Spanish Trail section.

Tex., Houston—B. J. McRaven has plans about completed by Carl A. Mulvey, Second Nat'l Bk. Bldg., Const. Archt. for Braeswood Corp., for French Colonial type residence, Braeswood Blvd., Braeswood; 2 stories, 9 rooms.

Tex., Houston—P. H. Fredericks, 1820 Cortlandt St., erect \$10,000 residence, 2314 Oakdale St.; brick veneer, 2 stories.

Tex., Ozona—Mr. Hoover erect brick veneer residence; 2 stories, 7 rooms, 2 baths; Will N. Noonan Co., Archt., Builders Exch. Bldg., San Antonio.

Tex., Progreso—H. A. Manley erect \$15,000 residence; frame and stucco, 2 stories, 8 rooms, tile roof; plans about complete.

Tex., San Angelo—W. S. Thomson erect \$10,000 residence H. M. Marvin, Archt., Fort Worth.

Tex., San Antonio—Maj. Gen. Ernest Hinds, R. T. D., 1409 Grayson Ct., receives bids Oct. 20 for residence addition; \$35,000, hollow tile and stucco, 47x35 ft. and 30x17 ft., oak floors, tile roof, cast stone trim, rein. conc. foundation, 2 stories, 10 rooms, 3 baths, garage and servants' quarters, steam heat; Harvey P. Smith, Archt.; Willard E. Simpson & Co., Engrs., both Natl. Bk. of Commerce Bldg. 8-30

Tex., San Angelo—Frank F. Friend, care Dixie Oil Co., let contract to F. L. Guenther, 1803 Guadalupe St., for English type rock veneer residence; 2 stories, about 2200 sq. ft. ground area, oak, tile, pine, etc., floors, conc. foundation, asbestos slate roof; Paul G. Silber & Co., Archt.; J. M. Mathews, Engr., both Bedell Bldg., San Antonio. 9-27

Tex., San Antonio—C. B. Wolfe, 511 Aganier St., erect 18 dwellings, 2602-22, 2607-27 San Luis and 107-27 Aztec Sts.; frame, 3 rooms; \$14,400; owner builds.

W. Va., Huntington—G. S. Patterson, 622 Fifth Ave., erect \$21,500 brick and stone residence, Holswade Park; 12 rooms.

## Government and State

D. C., Washington—Treasury Department, Jas. A. Wetmore, Act. Supvg. Archt., reported, has sketches by Zantinger, Borie & Medary, Otis Bldg., Philadelphia, Pa., for bldg. for Department of Justice, Pennsylvania Ave., Seventh and Ninth Sts., N. W.

D. C., Washington—National Zoological Park, Office of Director, receives bids Oct. 20 for exterior cages at new birdhouse; plans from office Director.

La., Arabi—Commanding Officer, Q. M. Depot, Jeffersonville, Ind., advises no contract was let for brick lodge at Chalmette National Cemetery, and will probably soon re-advertise for bids; cost about \$12,000. 10-11

Miss., Corinth—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids Nov. 16 for extension and rehabilitation of post office; drawing from office Supvg. Archt.

Tenn., Memphis—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., has low bid at \$121,999 from Devault & Deitrick, Inc., Canton, O., for extension to DeSoto post office substation. 9-27

## Hospitals, Sanitariums, Etc.

D. C., Washington—Constructing Quartermaster, Army Medical Center, has low bid at \$8973 from Maloney Paving Co., 3817 Alton Place, N. W., for roads, parking area, sidewalks and drainage system. 10-4

D. C., Washington—R. C. Archer, Archt., 1759 You St., N. W., preparing plans for \$30,000, 2-story brick 12-apartment, 22nd St. N. W., between D and E Sts.

D. C., Washington—Casualty Hospital, Massachusetts Ave. near Seventh St., rejected bids for \$200,000 addition; revising plans; date of new bids not determined; H. C. McGuary, Archt., 1601 Twelfth St. N. W.

Miss., Biloxi—Biloxi City Hospital, Dr. G. F. Carroll, Chmn., Bldg. Comm., has low bid at \$76,000 from A. C. Samford, Shepherd Bldg., Montgomery, Ala., for hospital; plumbing and heating bid at \$26,000 from Biloxi Plumbing & Heating Co.; wiring bid, Albert Mangin, at \$4000; Carl E. Matthes, Archt., all Biloxi. 9-27

Mo., St. Louis—Evangelical Deaconess Home and Hospital, F. P. Jens, Supt., receives bids Oct. 22 for building, Oakland Ave. W. of Clayton Rd.; \$1,000,000, brick, stone and rein. conc., 4 and 6 stories and basement; separate bids at same time for heating, wiring and plumbing; T. P. Barnett Co., Archt., Arcade Bldg. 2-9

Okla., Tulsa—Knights of Pythias, 703 S. Main St., plan \$180,000 hospital; brick, 3 stories and basement, 100x160 ft.; sketches.

Tenn., Memphis—Additional contractors estimating on recreation bldg., U. S. Veterans' Hospital, bids Oct. 30 by U. S. Veterans' Bureau, Washington, D. C.; Ray A. Phelps, Beloit, Wis.; M. J. O'Neill, St. Paul, Minn.; Loftus Plumbing & Heating Co., 438 Marietta St., Atlanta, Ga.; W. P. Thurston Co., Inc., Richmond Tr. Bldg., Richmond, Va.; Fischer Lime & Cement Co., 263 Walnut St., Memphis, Tenn. 10-11

Tenn., Memphis—Home for Incurables, care Mrs. C. L. Avery, 169 Pine St., having plans drawn by Geo. Awsumb, Derron Bldg., for brick addition; 2 stories and basement, conc. and wood floors, comp. built-up roof, stone trim; 25 rooms; work probably start after May.

Tex., Beaumont—Jefferson County Bd. of Comms. selected F. W. Steinman & Son, San Jacinto Life Bldg., as architects for \$75,000 addition to Jefferson County Tuberculosis Hospital. 9-8

Tex., New Braunfels—New Braunfels Co., Inc., Ben W. Nuhn, Sec., ready for bids for \$150,000, 4-story, 75-100 ft., brick and rein. conc., fireproof, 50-room hotel; Harvey P. Smith, Archt.; W. E. Simpson & Co., Consult. Engrs., both Natl. Bk. of Commerce Bldg., San Antonio. 8-23

Tex., San Antonio—State Bd. of Control, R. B. Walshall, Chmn., Austin, erect 1-story, fireproof fire station, San Antonio State Hospital, Dr. W. J. Johnson, Supt.; architect not selected.

## Hotels and Apartments

Ala., Anniston—J. Smolian, of Pizitz & Smolian, erect \$60,000, 5-story, 16-apartment, Wilmer and 12th Sts.; stores on first floor.

Ga., Dawson—Karl Thompson, Chmn. of Comm. promoting erection of 50-room hotel.

Ga., Lafayette—Chamber of Commerce in-

terested in erecting hotel on site of old Foster Hotel.

Ga., Milledgeville—Mrs. Alice Evans McGraw, owner, and Thomas Simpson, Mgr., Baldwin Hotel, remodel.

La., New Orleans—R. Mackenroth, 4433 Canal St., received low bid at \$79,795 from E. W. Ulrich Glass Co., 837 Dryades St., for 2-story, hollow tile, 21-apartment, Canal and Telemachus Sts.; tile and comp. roof, built-up features; A. J. Nelson, Archt., 207 Camp St. 10-4

Md., Crisfield—Crisfield Hotel, care J. G. Blair, Archt., 330 St. Paul St., Baltimore, reported, rejected bids for 6-story, 90x130 ft., brick, steel, stone hotel.

Mo., Joplin—Dr. P. C. Kelley, 410 Main St., erect \$60,000, 2-story, brick, 21-apartment, 8th and Virginia Sts.; A. O. Clark, Archt. Rogers, Ark.

Mo., St. Louis—D. R. Harrison, 1106 Ambassador Bldg., has contract for 15-story and basement, 73x150 ft., rein. conc., brick, stone, terra cotta apartment hotel, Delmar Blvd.

Mo., St. Louis—Alco Investment Co., care V. A. Chnberg, 808 Chestnut St., having plans prepared by Nolt & Nauman, Fullerton Bldg., for \$200,000, 30-apartment.

N. C., Charlotte—Dr. J. P. Matheson, 6 W. Seventh St., ready for bids about Oct. 20 for \$200,000, 8-story and basement, brick, stone and steel apartment hotel, Tryon and 6th Sts.; rein. conc. floors; Louis H. Asbury, Archt., 1514 E. Fourth St.; to be operated by L. L. Lassiter.

N. C., Winston-Salem—J. F. Smithdeal, 1183 W. Fourth St., has permit for \$14,000, 4-family apartment on Northwest Blvd.

Okla., Lawton—Alex Walker erect 2-story addition to New Walker Hotel.

Okla., Mangum—Mrs. Sarah Brown has permit, \$18,000, 2-story and basement, brick veneer apartment on W. 26th St.; day labor.

Okla., Tulsa—A. E. Aaronson, Tuloma Bldg., receiving bids for \$200,000, 5-story, brick and stone apartment and garage; Fred Knoblock, Archt., 1338 S. Utica St. 6-14

S. C., Calhoun Falls—Calhoun Falls, Inc., chartered with \$850,000 capital; Philip Miner, Pres., 2536 Euclid Ave., Cleveland, Ohio; Wm. Gray, Contr., 1003 N. Garrison St., St. Louis, Mo., V. P.; erect hotel in connection with 12,500-acre resort development near Calhoun Falls on Savannah River.

Tex., Crystal City—Crystal City Hotel Co., Inc., Bruce Holsomback, Pres., has low bid at \$57,196 from Heath & Kinsey for 3-story, 75x90 ft., conc., brick, tile, fireproof, 40-room hotel; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio. 10-11

Tex., Fort Worth—Ruth Devitt repair brick and tile apartment, 622 W. Second St.; \$19,349.

Tex., Houston—Salvation Army, W. A. Turner, 1219 Providence St., erect \$350,000, 4-story, 110x160 ft., brick, rein. conc., stone Hotel Welcome on Franklin Ave.; J. W. Murock, Archt., 801 Kirby Bldg. 9-13

Tex., Houston—P. C. Stewart erect two 2-story brick veneer 4-apartments, 4121-3 Gray St.; \$29,000.

Tex., Houston—T. M. Potter has permit for \$12,000, 4-apartment, 4315 La Branch St.

Tex., San Benito—Neal Allen, Brownsville, call for bids about Oct. 24 on \$25,000, 2-story, hollow tile and stucco, 8-apartment; A. A. Callaway, Archt., Harlingen.

W. Va., Weston—Charles M. Snaith, Frank Whelan, Walter A. Edwards promoting erection of \$195,000 hotel.

## Miscellaneous

D. C., Washington—German Government, Frederick Wilhelm von Prittwitz und Gaffron, Ambassador, 1439 Massachusetts Ave., reported, erect \$1,000,000 embassy, Massachusetts Ave. and 13th St.

D. C., Washington—Austrian Government, Edgar L. G. Prochnik, Minister, 1851 Wyoming Ave., erect \$150,000 legation building on Massachusetts Ave., between Decatur Place and S St.

Md., Baltimore—Rev. William C. Klahold, Pastor, German Immanuel Lutheran Church, Caroline St., near Baltimore St., member of canvassing committee to raise \$150,000 for Augsburg Home, 746 W. Lexington St.; 3 two-story buildings separated by two 1-story buildings.

Mo., Kansas City—The Girls' Club, 612 W. 11th St., having plans prepared by W. A. Besecke, Hutzinger Bldg., for \$60,000, 3-story, brick dormitory, 1030-32 Pennsylvania St.

Okla., Oklahoma City—Marshall & Harper Co., J. H. Marshall, Pres., 1010 Broadway,

erect \$30,000 Spanish type funeral home on The Paseo.

Okla., Tulsa—Tulsa Athletic Club, J. A. Reynolds, Pres., promoting erection of \$1,000,000 clubhouse; Dr. M. B. Jarvis, Dir.-Gen. of campaign.

Tex., San Antonio—San Antonio Country Club, F. M. Lewis, Pres., Chandler Bldg., considering relocating country club.

Tex., Waco—Commr. Stanton Brown appointed Chmn. of Comm. to investigate plan for reconstruction of municipal golf course and erection of clubhouse.

## Railway Stations, Sheds, Etc.

Ga., Atlanta—Nashville, Chattanooga & St. Louis Rwy., H. McDonald, Ch. Engr., Nashville, Tenn., having plans prepared by McDonald & Co., Southeastern Trust Bldg., Atlanta, for \$450,000, 2-story and basement, 155x112 ft., rein. conc. and struc. steel, stone trim; ready for bids about Dec. 1. 9-27

Miss., Biloxi—Louisville & Nashville R. R., W. H. Courtenay, Ch. Engr., Louisville, Ky., erect Spanish type, hollow tile passenger depot; tile roof, shed 550 ft. long, extending from Reynoir to Caillavet St.

## Schools

D. C., Washington—District Comms., 509 District Bldg., receive bids Nov. 5 for \$267,000, 16-room Langdon School, 20th and Everts Sts., N. E.; combination gymnasium and assembly hall; A. L. Harris, Municipal Archt. 9-27

Ga., Atlanta—Bd. of Education, R. R. Ritchie, Asst. Supt., advertise for bids Oct. 22 to be opened Nov. 22 for following school projects: Commercial High School, \$100,000; Moreland Ave., \$70,000; Oakland City, \$40,000; W. F. Slaton, \$47,500; Highland, \$50,000; David T. Howard (negro), \$150,000; Home Park, \$40,000; Peoples, \$50,000; S. M. Inman, \$64,000; Kirkwood, \$42,500; South Boulevard, \$20,000; Luckie Street, \$15,000; Rockdale (negro), \$12,000; G. Lloyd Preacher & Co., Inc., Archts.-Engrs., Wynne-Claughton Bldg. 10-11

Ga., Atlanta—The National Surety Co., W. L. McCalley, Jr., Atlanta Natl. Bk. Bldg., receiving bids for completion of Edgewood, Morningside, Whiteford Ave., Haygood-State, and Grant Park Schools which are in various stages of construction; following contractors estimating: Grahn Construction Co., Red Rock Bldg., H. G. Fleming, W. P. Francis, 201 Luckie St., N. W., Southern Ferro Concrete Co., 70 Ellis St., N. E., Griffin Construction Co., Murphy Ave., G. Lloyd Preacher & Co., Inc., Archts., Wynne-Claughton Bldg. 3-22

Ga., Griffin—Bd. of Education, L. M. Lester, Sec., call for bids in about two weeks for colored vocational school; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta.

Ga., Savannah—Bd. of Education receives bids Nov. 9, from local contractors only, for \$175,000, 2-story and basement, 295x180 ft., brick, rein. conc. and steel, stone trim high school, Battery St.; maple floors, slate roof; Wallin & Comer, W. P. Marshall, both Realty Bldg., Percy Sugden, Asso. Archts.; Levy & Clarke, Supvg. Archts., Blum Bldg.; Cletus W. Bergen, Const. Archt., all Savannah; W. C. Spiker, Engr., Atlanta. See Want Section—Building Material and Equipment. 8-2

Ga., Thomson—Bd. of Education received bids Oct. 18 for \$100,000, 2-story and basement, brick veneer school; comp. roof, wood floors; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta. 9-13

Ky., Greendale—State Bd. of Charities and Corrections, B. T. Brewer, Sec., Frankfort, received low bid at \$12,071 to Smythe & Co., Lexington, for dairy barn at Greendale Reform School.

La., Columbia—Caldwell Parish School Bd. has plans by J. W. Smith & Associates, Ouachita Natl. Bk. Bldg., Monroe, for \$50,000, 2-story, rein. conc. brick and stone trim high school; built-up com. roof.

La., Independence—Tangipahoa Parish School Bd., W. J. Dunn, Supt., Amite, ready for bids about Nov. 15 for \$150,000, 2-story, brick, rein. conc., stone trim high school; built-up comp. roof, struct. steel and iron work; Robt. H. Goodman, Archt., Bank of Baton Rouge, Baton Rouge. 8-16

La., Lafayette—Following contractors estimating on 2-story brick schools to be erected at Youngsville, Scott, Milton and Ridge-Judice, and alterations and additions to school at Dusan, bids received Oct. 30 by Lafayette Parish School Bd.: W. J. Quick, Pere Marquette Bldg., New Orleans; P. Olivier & Son, 114 Bilbo St., Lake Charles; Sandquist &



Snow of La., Inc., Alexandria; E. E. Rabalais, Bunkie; A. C. Stewart, 810 E. Boulevard, Baton Rouge; Tudor & Ratcliff, Alexandria; L. W. Eaton, Baton Rouge; The Burkes Co., Baton Rouge; and J. V. & R. T. Burkes, New Orleans Bank Bldg., New Orleans; Geo. D. Price, Lake Charles, will only bid on the Duson school, while Sandquist & Snow of La., Inc., Alexandria, La., will bid on all of the schools, except the Duson school; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 10-4

La., Live Oak—Livingston Parish School Bd., Denham Springs, having plans prepared by Wm. R. Burk, Balter Bldg., New Orleans, for 1-story frame school.

La., Mansfield—DeSoto Parish School Bd., S. M. Shows, Sec., receives bids Nov. 7 for negro school in Ward Six.

La., Oak Grove—West Carroll Parish School Bd. receives bids Nov. 13 for alterations and addition to 2-story brick school; \$30,000; comp. roof, cement and wood floors; plans from J. W. Emith & Associates, Archts., Ouachita Nat'l Bk. Bldg., Monroe. 6-14

La., Opelousas—St. Landry Parish School Bd., W. B. Prescott, Supt., call for bids in about 3 weeks for \$12,000 auditorium for elementary school, economics cottage to cost \$7,000 and \$20,000 improvements to high school; Herman J. Duncan, Archt., 120 Murray St., Alexandria.

Mo., Frederick—Frederick County Bd. of Education, G. Lloyd Palmer, Sec., receives bids Oct. 25 for 11-room and auditorium elementary school; plans from John B. Hamme, Archt., 31 Market St., York, Pa. 10-11

Miss., Columbia—Mississippi Building Comsn., W. C. Trotter, Sec., New Capitol Bldg., Jackson, soon call for bids for high school, girls' dormitory, cottages for staff officers, and power house at Industrial Training School; Vinson B. Smith, Jr., Archt., Real Estate Bldg., Gulfport.

Miss., Leland—Washington County Bd. of Education, B. L. Hatch, Supt., Greenville, receives bids Oct. 23 for \$10,000 school. 8-23

Miss., Senatobia—Boards of Supervisors of Tate and Quitman counties, Senatobia and Marks, respectively, establish Northwest Mississippi Junior College; will have as nucleus \$100,000 plant of Tate county agricultural high school in addition to \$10,000 for buildings voted by town of Senatobia; complete gymnasium and college building this year; P. W. Berry, Supt. of School.

Miss., Starkville—Mississippi State Building Comsn., W. C. Trotter, Sec., New Capitol Bldg., Jackson, receives bids Nov. 22 on following buildings at Agricultural and Mechanical College: Agricultural experiment station, 4 stories, 55x136 ft.; boys' dormitory, 3 stories, 63x207 ft., with one-story service wing, 62x98 ft.; agriculture building, 3 stories, 63x190 ft.; all rein. conc. frame, brick walls, comp. and tile roofs, terra cotta trim; all buildings to include plumbing, heating and wiring; plans from Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson. 10-11

Mo., Carrollton—Roman Catholic Church, Rev. Father Venderstein, soon select architect for 2-story, brick parochial school.

Mo., St. Charles—Lindenwood College, Dr. J. L. Reamer, Pres., erect brick conservatory of music.

Mo., St. Joseph—City voted \$2,180,000 school building bonds; J. S. Lucas, Pres., School Bd. 9-13

Mo., University City, St. Louis—Bd. of Education, E. A. Fairbanks, Pres., 6701 Delmar Blvd., soon call for bids for \$550,000, 3-story brick Senior High School and stadium, Jackson Drive, Shattsbury Heights; Ferrand & Fitch, 6188-A Delmar Blvd., and Trueblood & Graf, Chemical Bldg., Asso. Archts.; J. Martin Engineering Co., Struc. Engr., Syndicate Trust Bldg.; H. Buchmueler, Stadium Engr., 511 International Life Bldg. 6-21

N. C., Charlotte—Bd. of School Commrs., Chas. Blackburn, Sec.-Treas., receives bids Oct. 25 for \$125,000, 18-room and gymnasium addition to Alexander Graham High School; Charles C. Hook, Archt., Commercial Bank Bldg. 10-4

N. C., Winston-Salem—Bd. of School Commrs., H. R. Dwire, Chmn., having plans prepared by Northup & O'Brien, Starbuck Bldg., for 24-room addition to 14th St. School, 10-room and auditorium addition to Columbian Hts. High School, North-Winston and South-Winston Jr. High Schools; by Harold Macklin, Realty Bldg., for 8-room addition to South Park School, 12-room addition to Kimberley Park School and Negro High School;

by Hall Crews, R. E. Lee Hotel, for 12-room addition to Forest Park School and Ardmore Elementary School; work on Skyland and Wood Ave. schools assigned later; completion of Richard J. Reynolds High School to be undertaken in 1930. 10-4

Okla., Anadarko—Kiowa Indian Agency, J. A. Buntin in charge, erect \$40,000 brick and hollow tile dormitory at Riverside Indian School; wood floors, asbestos shingle roof.

Okla., Chickasha—Bd. of Education, R. B. Barefoot, ready for bids about Oct. 23 for \$25,000, 2-story and basement, 72x125 ft., brick addition to Lincoln School; The Huseman Co., Archt. 7-19

Okla., Elk City—Bd. of Education, J. T. Beall, Sec., have plans ready for bids about Nov. 1 for \$100,000, 1-story, brick stone and rein. conc., fireproof high school and gymnasium; Joe I. Davis, Archt., First Natl. Bk. Bldg., Oklahoma City. 10-20

Okla., Tulsa—University of Tulsa, Dr. John Duncan Finlayson, Chancellor, erect \$150,000 petroleum engineering building and \$125,000, 2-story library; both Oklahoma stone, Gothic architecture.

Okla., Tulsa—Bd. of Education, Raymond Courtney, erect 1-story and basement, 172x24 ft., brick and conc. addition to Dunbar Grade School; Leland I. Shumway, Archt., Alexander Bldg.; bids in.

Tenn., Bethel Springs—Bd. of Education erect \$25,000 school.

Tenn., Johnson City—State Bd. of Education, J. E. Brading, Member, Nashville, made appropriation as follows: East Tennessee State Teachers College, Johnson City, \$28,000 for first unit of central heating plant to cost \$55,000; West Tennessee Teachers' College, Memphis, \$28,000; Middle Tennessee College, Murfreesboro, \$27,000; Cookeville Polytechnic College, Cookeville, \$14,500; Colored Agricultural Institute, Nashville, \$12,500.

Tenn., Selmer—McNairy County Bd. of Education erect \$10,000 brick grammar school.

Tex., Brady—City votes Oct. 30 on \$135,000 bonds for brick and rein. conc. high school and gymnasium; W. I. Brogden, Sec., School Bd.; Henry T. Phelps, Archt., Hicks Bldg., San Antonio. 9-20

Tex., Gainesville—Bd. of Education erect \$55,000 school.

Tex., Goldthwaite—Bd. of School Trustees selected Page Bros., 348 Austin Natl. Bk. Bldg., Austin, to prepare plans for school; election Oct. 15 on \$50,000 bonds.

Tex., Orange—Orange County Commrs. ordered vote Oct. 27 on \$12,500 in McLewis School Dist.

Tex., Port Neches—Port Neches Common School Dist. Trustees having plans prepared by Livesay & Wiedemann, San Jacinto Life Bldg., Beaumont, for \$36,000, 8-room grade school in Grove addition. 9-13

Tex., Poteet—School Bd., R. S. Guynes, Sec., erect \$18,000, 1-story, brick, rein. conc., cast stone 3-room and auditorium high school; Chas. T. Boelhaue, Archt., Aztec Bldg., San Antonio; bids in. 10-4

Va., Richmond—Bd. of School Trustees, C. P. Walford, Clk. and Supvr., 312 N. 9th St., selected C. M. Robinson, Times Dispatch Bldg., to prepare plans for Western High School.

Va., Richmond—University of Richmond, Dr. F. W. Boatwright, Pres., plans \$500,000 library on Westhampton campus upon completion of present \$850,000 building program. 9-27

W. Va., Shepherdstown—Shepherdstown School Dist. votes Nov. 6 on \$40,000 high school bonds.

W. Va., Charleston—School Bd. erect 16-room school on Orange St., Glenwood Heights.

W. Va., Martinsburg—City voted \$125,000 school bonds. 8-9

### Stores

Ark., Little Rock—M. B. Moore, Carlisle, plans 2-story and basement, 75x140 ft., brick store, 523 Center St.; comp. roof, conc. and wood floors; Thompson, Sanders & Ginocchio, Archts., Hall Bldg.

Ark., Little Rock—L. H. King, King Drug Co., 1519 Gaines St., erect 2-story, 40x120 ft., brick and stucco store and apartment; conc. and wood floors; H. Ray Burks, Archt., Home Insurance Bldg.

Ark., Little Rock—Boyle Realty Co., Boyle Bldg., remodel Boyle Bldg., 4th and Main

Sts., for 4 shops to be leased to Lerner Stores Corp., 354 Fourth Ave., New York.

Ark., McGehee—Lawrence Wolfe, Tillar, call for bids about Nov. 1 for 2-story and basement, 70x140 ft., brick store, Second and Pine Sts.; built-up comp. roof, conc. and pine floors, stone trim, steam heat; H. Ray Burks, Archts., Home Insurance Bldg., Little Rock.

Fla., Fort Myers—Heitman Estate, Gilmer M. Heitman, erect \$75,000 addition to store on First St., occupied by McCrory Stores, Inc., 1107 Broadway, New York.

Fla., Tampa—Dupree, Inc., soon call for bids for 80x138 ft., 1-story, brick, conc. and steel, 6-store, 109 S. Franklin St.; Francis J. Kennard, Archt., 303 Zack St.

La., Shreveport—V. L. Campisi, First Natl. Bank Bldg., and Sam Gullo, 300 Beauregard St., erect 2-story store, Caddo and Baker Sts.

Mo. Sedalia—J. H. Bothwell, Sedalia Natl. Bldg., having plans prepared by T. W. Bast for \$20,000, 3-story, brick department store. 5th and Ohio Sts. 8-16

Okla., Tulsa—Glenn Hilford erect \$15,000 store, 11th and Harvard Sts.; Frank E. James, Archt., 1123 S. Elwood St.

Okla., Tulsa—F. D. Dye receives bids Nov. 1 for 3-story and basement, steel and conc., terra cotta trim store; John T. Blair, Archt., Palace Bldg. 10-4

Okla., Tulsa—James E. Duffey, 1131 E. 21st Pl., receives bids Oct. 25 for \$85,000, 3-story and basement, 125x140 ft. fireproof store, 612 S. Main St.; John T. Blair, Archt., Palace Bldg. 6-7

Tenn., Memphis—Mrs. Mary F. Treadwell erect \$35,000, 3-story, brick building, 111 Madison Ave.; Hanker & Cairns, Archts., 123 S. Court St.

Tenn., Memphis—Paul Dillard, S. Court St., has low bid at \$24,800 from F. J. Ozanne & Co., Empire Bldg., for \$30,000, 107x37 ft., 1-story and basement, brick store, Union and Belvedere Aves.; comp. built-up roof, conc. and tile floors, terra cotta trim; Jones & Furbringer, Archt., Porter Bldg. 10-4

Tenn., Memphis—B. A. Echolds, 660 Edith St., erect 1 or 2-story and basement store, McLeomore and Mississippi Aves.; comp. built-up roof, conc. floors.

Tex., Brownsville—Dr. W. E. Spivey soon let contract for remodeling 1-story brick building; \$10,000; E. G. Holliday, Archt.

Tex., Dallas—Sam Lobello, 5731 Marquita St., has permit for \$10,000, 1-story, brick building, 237-9 W. Jefferson St.

Tex., Del Rio—I. F. and W. B. Burditt erect 40x120 ft. store on Main St.

Tex., Galveston—E. C. Wells has permit for \$10,000, rein. conc. store, 2703-09 E. 27th St.

Tex., Kingsville—H. M. McCormick let contract about Jan. 31, 1929 for 2-story, 25x140 ft., brick store on E. Kleberg Ave. 10-11

Tex., San Benito—Lance J. Harris erect \$30,000, 150x90 ft., brick store on Stenger St.; tile and stucco, Spanish architecture; R. W. Mulhausen, Archt., Harlingen.

Tex., Uvalde—A. M. Riesman, Llano, erect fireproof business building on N. Getty St.

W. Va., Welch—G. C. Murphy & Co., McKeesport, Pa., leased Welch Theater and remodel for store; 3 stories and basement; G. W. Folk, Company Archt.; Hassel T. Hicks, Asso. Archt., Welch.

### Theaters

La., Baton Rouge—Little Theater Guild of Baton Rouge, Inc., Olive W. Kernan, Pres., plans building in Park Hills.

La., Bogalusa—Pine Tree Amusement Co., Paul A. Tessier, 134 Carondelet St., New Orleans, call for bids in about 2 weeks for 1-story and balcony, rein. conc., brick and steel theater on Columbia St.; built-up comp. roof, seat 900 people; Favrot & Llvandais, Archts., Hibernia Bk. Bldg., New Orleans.

### Warehouses

Okla., Ardmore—State, H. N. Naylor, State Warehouseman, Oklahoma City, erect bonded storage house.

Okla., Oklahoma City—Turnbull Russell Co., 225 W. 13th St., ready for bids for \$25,000, 1-story, brick, stone, steel and conc. office building, print shop and warehouse, 5th and Indiana Sts.; Sorey & Vahlberg, Archts., Braniff Bldg.

Okla., Ponca City—City, C. E. Norton, Clk., has plans by G. J. Cannon for \$11,300, 1-story, 50x60 ft., brick and steel warehouse.

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Ky., Berea—Ancient Free and Accepted Masons let contract for \$20,000 temple to John Muncy, Berea; brick and tile, wood joist, 2 stories, pine floors, conc. foundation, comp. roof; Churchill & Gillig, Archts., Fay. Bk. Bldg., Lexington, Ky. 10-11

### Bank and Office

Ala., Birmingham—A. J. Krebs Co., Contrs., Walton Bldg., Atlanta, Ga., reported, has contract for 16- to 20-story Medical Arts Bldg., 20th St. and Seventh Ave., South; \$1,200,000; Harry B. Wheelock, Archt., Steiner Bldg.

D. C., Washington—Columbia Medical Building Corp., Dr. Chas. Stanley White, Pres., excavating for \$1,000,000 Columbia Medical Bldg., 911 Nineteenth St.; fireproof, limestone, orna. terra cotta and brick, 8 or 10 stories, 62,000 sq. ft. rentable area in 8-story structure; additional stories would add 15,000 sq. ft.; conveniences for doctors and dentists; portion of first floor to contain drug store, optical shop and surgical instrument store; Marcellus E. Wright, Archt.; Lee Paschall, Contr., both Amer. Natl. Bk. Bldg., Richmond, Va. 1-19

Ga., Atlanta—Rhodes-Haverty Co. let contract for \$750,000 fireproof office bldg., Peachtree, James and Forsyth Sts., to Southern Ferro Concrete Co., 70 Ellis St., N. E.; struct. steel frame, rein. conc. footings, granite base, face brick, terra cotta trim, common brick foundation, metal tile slabs, hollow tile partitions, 17 stories and basement and 3-story tower, 95x72x62x82 ft., terrazzo, tile and cement floors, Travertine Vitrolite, marble and tile work, 5-ply tar and gravel roof; Pringle & Smith, Archts., Norris Bldg.; low bid from Loftis Plumbing Co., 440 Marietta St., for plumbing and heating. 8-9

La., New Orleans—Crittall Casement Window Co., Detroit, Mich. (J. T. Mann & Co., Agts., New Orleans), has contract for casement sash for \$1,750,000 American Bank & Trust Co. bank and office bldg.; Moise H. Goldstein, Archt., Hibernia Bldg.; Geo. J. Glover Co., Inc., Contr., Whitney Bldg., both New Orleans. (Sash contract lately incorrectly reported.) 10-11

Tenn., Nashville—Fourth and First National Bank erect \$60,000 branch bank, Third Ave. and Broadway; stone, rein. conc. and struct. steel; Donald W. Southgate, Archt., Nashville Tr. Bldg.; Foster & Creighton Co., Contr., Fourth and First Bldg.

Va., Portsmouth—Office Building Corp., Edw. T. White, Pres., 219 High St., let contract at \$199,975 to Johnson Construction Co., Law Bldg., Norfolk, for 7-story professional office building, High and Washington Sts.; brick, terra cotta trim, rein. conc., fireproof; 7 stories on first floor; Peebles & Ferguson, Archts., Law Bldg., Norfolk. 10-4

### Churches

Ala., Birmingham—Independent Methodist Church, erect \$70,000 brick veneer bldg., S. Lee Ave. and 83rd St.; 1 story and basement, 63x56x73 ft., asbestos roof; day labor.

Fla., Orlando—First Christian Church has broken ground for \$15,000 building, Jefferson St. near Main St.; stucco and conc., auditorium and basement and 3-story Sunday school; 40x65 ft.; auditorium seat 400. Address The Pastor.

Md., Arlington, Baltimore—Arlington Presbyterian Church, 3213-17 Belvedere Ave., let contract to Tase-Norris Co., Inc., 903 Cathedral St., for \$40,000 addition; stone, accommodate about 275 additional in auditorium, new classrooms; Bertram L. Keyes, Archt., 3 E. Lexington St.

Okla., Edmond—First Methodist Church let contract for \$50,000 bldg. to Stevenson Bros.; brick, stone and conc., semi-fireproof, pine floors, comp. roof, 2 stories; Hawk & Parr, Archts., Cotton Exch. Bldg., Oklahoma City. 10-4

S. C., Charleston—Cumberland Methodist Church let contract for \$15,000 Sunday school to Geo. M. Canady, 15 Poplar St.; brick, 2 stories. 10-11

S. C., Greenville—Children of Israel Congregation will let contract to L. E. Hamby for synagogue, Bulst Circle; 2 stories, auditorium seat about 200; Beacham & LeGrand, Archts., 17-A North St. 7-12

Tex., San Antonio—Christ Church excavating for \$31,000 parish house; rein. conc. and brick, 2 stories, 42x70 ft., wood and conc. floors, conc. foundation. Eternite roof; John M. Marriott, Archt., Frost Bldg.; Homer Mathews, Engr., Bedell Bldg.; Jas. Aiken,

Contr., Bldrs. Exch. Bldg. See Want Section—Building Material and Equipment.

Tex., Turkey—First Baptist Church completed basement of \$20,000 bldg. Address The Pastor.

### City and County

Ark.-Tex., Texarkana—Following contracts let \$300,000 municipal bldg.: Cut stone, Herget Cut Stone Co., 5241 Maple St.; rein. and struct. steel, Austin Bros., 1815 Coombs St.; steel windows, Truscon Steel Co., 115 Field St., all Dallas, Tex.; terra cotta, Winkle Terra Cotta Co., Century Bldg., St. Louis, Mo.; elect. work, Texarkana Electric Co., Texarkana; sprinkler, Texas Automatic Sprinkler Co., San Antonio, Tex.; Glass-glazing for steel windows, Binswanger & Co., Memphis, Tenn.; Witt, Seibert & Haley, Archts., Texark. Natl. Bk. Bldg., Texarkana; Stewart-McGehee Construction Co., Contr., Kahn Bldg., Little Rock, Ark. 9-13

La., Shreveport—City Commission Council receives bids Nov. 13 for fire station, Line Ave. and Oneonta St.; rein. conc. foundation, cement and wood floors, tile and comp. roof, metal lath, brick work; Henry E. Schwarz, Archt., Slattery Bldg.

Miss., Meridian—City Council let contract to J. M. McAlister, 52d Ave., for fire station; Burt Stuart, Archt. 10-11

S. C., Charleston—City Council repair foundations of Charleston Museum, \$10,000; Charleston Engineering & Contracting Co., Contr., 58 Broad St.

S. C., Edgefield—Edgefield County Bd. of Commrs. remodel and erect additions to courthouse; \$1500, brick, new heating plant; Elroy G. Smith, Archt.-Constr. Supvr., Herald Bldg., Augusta, Ga.; W. S. G. Heath, Contr., Edgefield.

Tenn., Memphis—Pritchard Bros., 433 Madison St., have contract at \$55,800 for plumbing for \$450,000 Shelby County workhouse, Mullins Station; Harker & Cairns, Archts., 123 S. Court St. Harry B. Hunter, Engr., U. & P. Bank Bldg.; B. E. Buffalo & Co., Contrs., 658 East St. 8-2

Tex., Amarillo—City let contract to Geo. M. Ledford, 1710 Taylor St., for \$10,000 fire station; brick, 1½ stories, 46x42.6 ft., conc. and hardwood floors, comp. roof, conc. foundation; Frank French, Archt.; H. B. Jones, Engr., 1608 Madison St. 9-20

Tex., Dallas—City, R. D. Gambrell, Ch. Fire Dept., let contract at \$45,938 to W. H. King, Construction Industries Bldg., to remodel interior of building, 211 Main St., for central fire station; plumbing, Levy Plumbing Co., 2107 N. Harwood St., at \$6500; heating and ventilating, Dallas Heating and Ventilating Co., Alamo St., \$8426; Lang & Wittich, Archts., American Exch. Bank Bldg. 7-26

Va., Wytheville—City Council erect municipal building, Spring and Second Sts.; Morris C. Miller, Contr.

### Dwellings

Ala., Birmingham—S. Y. Caldwell, 3308 Cliff Rd., let contract to Ed Gourley, 7517 N. Second Ave., for brick veneer residence; Rockbridge Park; 2 stories, 42x80 ft., hardwood floors, conc. foundation, slate roof; Miller & Martin, Archts.; J. A. Lewis, Engr., both Title Guar. Bldg. 10-11

Ark., Little Rock—Sun Building & Development Co., Rector Bldg., erect \$12,000 dwelling and garage, 310 Linwood Court; also \$8000 dwelling and garage, 1808 Beechwood St.; owner builds.

D. C., Washington—P. H. Willis, 927 Fifteenth St., N. W., erecting \$20,000 dwelling, 4303-07 Reno Rd., N. W.; brick and tile, 2 stories and basement, 26x29 ft., oak floors, slate roof; Geo. Santmyers, Archt., 923 Fifteenth St., N. W.; owner builds. See Want Section—Building Material and Equipment.

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., have permit for brick and frame dwelling, 2910 Glover Driveway; 2 stories, \$12,500; owners build.

Fla., Jacksonville—L. M. Hughes, 29 King St., erect \$18,700 residence, 1854 Montgomery Place; 1 story; Henry Taylor & Son, Contrs., 2057 Lackawanna St.

Fla., Miami Beach—A. J. Diefenderfer let contract to S. J. Hale, Normandy Isle, for \$10,000 residence, 19th St. and Meridian Ave.; C. LeRoy Kinports, Archt., 3897 Kumat Ave., Coconut Grove. 9-13

Fla., Orlando—Miss Mary Guernsey started work on \$15,000 residence, E. Cherokee Drive; Allardice & Allardice, Archts.-Contrs., 24 W. Pine

Ga., Atlanta—Mrs. Percy R. Baker, W. Andrews Drive, erect hollow tile and stucco residence; 2 stories and basement, 67x40 ft., conc. foundation, conc. tile, hardwood and linoleum floors, slate and tar and gravel roof; Ivey & Crook, Archts., Candler Bldg.; Collins, Holdbrook & Collins, Contrs., Atlanta Tr. Bldg.

Ga., Atlanta—H. M. Morris, Candler Bldg., erect 2 dwellings, 763-87 Amsterdam Ave., N. E.; brick veneer, 1 story and basement, 7 rooms and bath, hardwood floors, comp. shingle roof, hot-air heat; \$13,000; owner builds.

Ga., Atlanta—A. H. Hazzard, Candler Bldg., erect 4 brick veneer dwellings, 757-75-81-93 Amsterdam Ave., N. E.; 1 story and basement, 7 rooms and bath, hardwood floors, comp. shingle roof, hot-air heat; \$26,000; owner builds.

Ga., Atlanta—J. B. Richardson, 138 Ellis St., N. E., erect 2 brick veneer dwellings, 969-1023 Dill Ave., S. W.; 1 story, hardwood floors, 6 rooms and bath, shingle roofs, hot-air heat; \$10,000; owner builds.

Ga., Commerce—C. A. Truitt, care Truitt Hdwe. Co., erect \$25,000 residence; brick veneer, 1 story and basement, hardwood and tile floors, slate roof, cast stone trim, steam heat; E. A. Williams, Contr.

La., Baton Rouge—Chas. P. Manship, 230 St. Anthony St., let contract at \$33,500 to Sandquist & Snow, Inc., of Louisiana, Alexandria, for brick, hollow tile and cast stone trim residence and garage; 2 stories, rein. conc. foundation, oak floors, tile roof, vapor heat; Lewis A. Grosz, Archt., New Raymond Bldg. 9-13

La., New Orleans—J. Abry, 1023 N. Galvez St., erect double cottage, Galvez and Miro Sts.; J. M. Werling, Contr., 2909 St. Bernard Ave.

La., New Orleans—Geo. A. Meyn, Contr., 2058 N. Johnson St., erect double dwelling, Touro and N. Prieur Sts.

La., New Orleans—R. Ussery, Contr., 2742 Verbena St., erect duplex, 3345 Belford St.

La., New Orleans—Philip Schneller, Contr., 4141 Orleans St., erect raised double dwelling, Franklin and Hawthorne Sts.

La., New Orleans—Philip C. Boudreaux, Contr., 2001 Touro St., erect double dwelling, 2005-07 Touro.

La., New Orleans—M. Raitman, Contr., 1524 Baronne St., erect 2-story duplex, Pritchard Place near Audubon St.

La., New Orleans—O'Neal Labaud, Contr., 3525 St. Anthony St., erect double residence, 2015-17 Josephine St.

La., New Orleans—Jos. Winters, Contr., 5331 Dauphine St., erect double dwelling, 5439 Dauphine St.

La., New Orleans—Paul Seybold, Contr., 6016 Annunciation St., alter and erect addition to dwelling, Laurel and Patton Sts.

La., Shreveport—I. Rosenfield, 640 Ratcliffe St., let contract to F. D. Welsh for \$18,500 residence, Unadilla St.; stucco, 2 stories, 8 rooms; Seymour Van Os, Archt., Merch. Bldg. 8-23

La., Shreveport—A. C. Steere Co., Inc., Slattery Bldg., erect 2 dwellings, 200-02 Ardmore St.; \$11,250; Strubbe McConnell, Contr., 3403 Hearne Ave.

Md., Baltimore—John Welsh, 11 E. Fayette St., erect 7 brick dwellings, 3311-23 Hillard Road; 2 stories, 20x30 ft. and 22x35 ft., slag roofs; \$20,000; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Suburban Construction Co., York Rd., erect 5 dwellings, 544-52 Chateau Ave.; brick, 2 stories, 18x32 ft., steam heat; \$12,500; Harry Bart, Archt.; owner builds.

Md., Baltimore—Woodland Realty Co. erect 15 frame dwellings and garages, 3202-31 Montebello Ave.; 2 stories, 24x28 ft. and 18x20 ft.; \$45,000; Saml. M. Pistorio, Archt., Harford Road and Weaver Ave.; owner builds.

Md., Baltimore—City Mortgage & Realty Co. erect 4 frame dwellings, 802-08 Pontiac Ave.; 2 stories, 24x30 ft. and 24x24 ft., asbestos shingle roofs, steam heat; \$10,000; B. R. Sale, Archt.-Contr., Hourse Bldg.

Md., Baltimore—J. Hurst Purnell, Bldr., Cold Spring Lane, erect 12 brick dwellings, 4430-40 and 4431-41 Wickford Road; owner builds.

Md., Baltimore—Karl F. Steinmann, American Bldg., erect 2 frame dwellings and garages, 5508-10 South Bend Road; 2 stories, 30x14 ft. and 20.4x18.4 ft.; \$10,000; John A. Ahlers, Archt.; owner builds.

Miss., Meridian—W. C. Trotter, Sec., Bldg. Comm., Jackson, let contract at \$20,246 to E. J. Vaughn for completing building and erecting 2-story garage, Matty Hersee Charity



Hospital; R. C. Springer, Archt., Rosenbaum Bldg., both Meridian. 10-4

Mo., Clayton, St. Louis—Joe Genail, Valley Park, erect \$12,000 log cabin, Jones and Bassett, Farm sub-division; 32x35 ft.; Cecil Bronson, Contr., Lincoln Beach.

Mo., Clayton, St. Louis—Frank W. Giese, 4634 Pope St., erect \$10,000 residence, Giese sub-division; 30x43 ft.; O. Wittich, Contr., 8400 Halls Ferry.

Mo., Clayton, St. Louis—M. Rossi erect \$10,000 residence, Ellenwood; brick, 30x54 ft.; Gustav Wuest, Archt., 922 Wainwright Bldg.; J. M. Craig & Son, Contrs.

Mo., St. Louis—B. P. Hardt erect 5 brick dwellings, 6607-11-15-17-21 Fyler St.; 1 story, 26x43 ft., asphalt shingle roofs, hot air heat; \$15,000; F. Hardt, Contr., both 3303 Watson Road.

Mo., St. Louis—C. E. Klemp erect 8 brick dwellings, 6110-34 Louisiana St.; 1 story, 26x34 ft., comp. shingle roofs, hot air heat; \$28,000; G. C. Karr, Archt.-Contr., both 214 Calumet Bldg.

Mo., St. Louis—Wade T. Childress, erect \$35,000 English farmhouse residence, Ridgetop; Maritz & Young, Archts., Chemical Bldg.; United Development Corp., Contr., 4903 Delmar Blvd.

Mo., St. Louis—United Development Corp., 4903 Delmar Blvd., erect number dwellings, Ridgetop sub-division; total of 35 planned, including several under construction; \$1,000,000; Maritz & Young, Archts., Chemical Bldg.

Mo., University City, St. Louis—J. B. Eby erect \$10,000 residence, 427 West Point Ave.; brick, 2 stories, 50x17.6x50 ft., slate roof, hot water heat; Edw. H. Beckemeier, Contr., 206 Grand-St. Louis Bldg.

Tenn., Memphis—Bell P. Chiles, 605 N. Claybrook St., erect 7 duplexes, 494-518 Hampton St.; wide siding, 1 story, 23x41 ft., pine floors, comp. roof; Chiles Bros., Contrs., 605 N. Claybrook St.

Tenn., Memphis—Fred Callihan, Fidelity Bk. Bldg., remodel dwelling, Camilla and Madison Ave., for duplex and erect garages in rear; Louis G. Carlisle, Archt., Medical Arts Bldg.

Tenn., Memphis—Mrs. Loda Bass and R. C. Bowden, 161 N. Montgomery St., erect \$15,000 brick veneer duplex, 1511-17 Jackson Ave.; 2 stories and basement, 30x45 ft., oak floors, tile bath, comp. shingle roof, hot water heat; E. B. Phillips, Archt., Fidelity Bk. Bldg.; O. E. Bass, Contr., 161 N. Montgomery St.

Tenn., Memphis—F. C. Storey, Dermon Bldg., erect \$10,000 brick veneer residence, 1801 Central Ave.; 2 stories and basement, 62x40 ft., oak floors, tile bath, comp. shingle roof, steam heat; Home Builders Corp., Contr., Dermon Bldg.

Tenn., Nashville—Wentworth Caldwell, Harding Rd., let contract for brick and stone residence, Belle Meade Park, to Boone Construction Co., 315 Church St.; 2 stories and basement, 55x35 ft. with 13x20-ft. wing; Tisdale, Stone & Pinson, Archts., Independent Life Bldg. 10-4

Tex., Sherman—Harry Miller and Miss Maydee Barron, erecting duplex, Chaffin St. and Cleveland Ave.; 8 rooms, 2 baths; Harry Miller, Contr.

Tex., Sherman—C. M. Slagle erecting 1-story frame residence, N. Bryant St.; W. R. Gordon, Contr.

Tex., Sugar Land—Sugarland Industries let contract for 12 dwellings to Northern Contracting Co., Union Natl. Bank Bldg., Houston; brick veneer, 3 and 4 rooms.

Tex., Turkey—W. N. Ross, Mineral, Ark., erect 3 dwellings; material on site; work started on one; plans 3 additional dwellings.

Va., Richmond—Laburnum Realty Corp., 924 E. Main St., erect 10 dwellings, Westover Hills; \$100,000; owner builds.

Va., Richmond—L. I. Chapman started work on residence, Evelyn Byrd Road.

### Government and State

D. C., Washington—Treasury Department, Jas. A. Wetmore, Act. Supvg. Archt., let contract at \$1,159,700 to Consolidated Engineering Co., 20 E. Franklin St., Baltimore, Md., for 12,000-pile foundation for \$17,000,000 building for Department of Commerce; B. D. 14th and 15th Sts.; structure 5 stories and basement, 1030x350 ft., entablature with sixth story back of roof balustrade; York & Sawyer, Archts., 100 E. 42nd St., New York; Edw. H. Bennett, Const. Archt., 80 E. Jackson Blvd., Chicago, Ill. 10-4

Ky., Greendale—Board of Charities and Corrections let contract at \$21,071 to Smythe & Co., Lexington, for dairy barn at Houses of Reform.

Tex., Corsicana—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington,

D. C., let contract at \$71,488 to W. D. Lovell, 1415 Eighth St., S. E., Minneapolis, Minn., for extension to and remodeling post office. 9-27

### Hospitals, Sanitariums, Etc.

Ga., Augusta—United States Veterans' Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., let contract at \$10,800 to Claussen-Lawrence Construction Co., 1394 Gwinnett St., Augusta, for roads and walks, U. S. Veterans' Hospital; Claussen-Lawrence company also has contract for garage additions. 9-27

La., Alexandria—D. W. Chapman & Co., Miami, Fla., and Bond Bldg., Washington, D. C., has contract for steam fitting and pipe fitting for \$1,500,000 U. S. Veterans Hospital; N. P. Severin Co., Contr., 222 W. Adams St., Chicago, Ill. 10-4

W. Va., Beckley—Logan Co., Franklin and Buchanan Sts., Louisville, Ky., has contract at \$4650 for iron stairs and grill work for \$200,000 first unit of Rutherford Tuberculosis Sanatorium; R. A. Gillis, Archt., Fleming Bldg., Fairmont; J. W. Thomas, Constr. Engr., in charge of building work. 8-16

### Hotels and Apartments

Fla., Jacksonville—Oscar Von Becklenberg erect \$75,000, 2-story, brick, 16-apartment building on Riverside Ave.; owner builds. 10-11

Ga., Atlanta—Richard H. Shoup, 127 Carnegie Way, N. E., started work on \$75,000, 2-story and basement, brick veneer, cast stone trim, 16-apartment on Sheridan Drive, N. E.; comp. roof, hardwood and tile floors, steam heat; owner builds; Jas. M. Russell, Archt., Norris Bldg. 8-23

Ky., Paducah—Following sub-contracts awarded on 10-story Irvin Cobb Hotel being erected by Adolph Well, Rhodes Apt., and A. L. Parker, Memphis, Tenn., for which B. E. Buffalo & Co., 603 Broadway, has general contract: Electric wiring, S. D. Dalbey Electric Co., 525 Broadway; cement and hollow gypsum partition tile, Garner Coal Co.; painting, decorating, Hancock & Sanderson; millwork, Sherrill-Russell Lumber Co., 11th and Tennessee Sts.; sand and gravel, Thompson Transfer Co., 10th and Broadway; roofing, W. B. Waddell, 315 Kentucky Ave., all Paducah; hollow metal door frames, elevator entrances, revolving door, Sanymetal toilet partitions, Akers & Co., 242 Madison Ave.; glass and glazing, Binswanger & Co., 645 Union Ave.; caulking, Chamberlin Metal Weatherstrip Co., 211 Court St.; steel windows and frames, Fischer Lime and Cement Co., 263 Walnut St.; plumbing and heating, J. W. Hull Plumbing & Heating Co., 1144 Madison Ave.; builders hardware, House-Bond Hardware Co., 101 S. Main St.; removable metal forms, Louisville Builders Supply Co., Dixie Highway and Magnolia St.; struc. steel, ornamental, misc. iron, steel, brass and bronze work, Pidgeon-Thomas Iron Co., 94 N. Second St.; smoke stack, Dan Shea Boiler Works, 1106 Kansas St.; marble, tile and terrazzo work, Southern Mosaic Co., 248 N. Front St.; plastering, H. S. Sutton, Dermon Bldg.; sheet metal work and asbestos roofing, J. P. Werner Sheet Metal Works, 341 Poplar St.; cast stone, White Stone Co., 1450 McLeomore Ave., all Memphis; bathroom accessories, American Enameled Products Co., 2011 S. Michigan Ave.; waterproofing, Waterproofing Co. of America, 437 Orleans St., both Chicago; rein. steel, Connors Steel Co., Empire Bldg., Birmingham, Ala.; mail chute, Cutler Mail Chute Co., Rochester, N. Y.; window and door screens, Higgin Manufacturing Co., Newport, Ky.; scaffolding machines, Patent Scaffolding Co., 182 Haynes St., Atlanta, Ga.; elevators, Shepard Elevator Co., 2425 Colerain Ave., Cincinnati; Bowling Green cut stone and Random Ashlar stone, Southern Cut Stone Co., Bowling Green, Ky.; plans by Walter W. Ahlschlager, 65 E. Huron St., Chicago, include 200 rooms, English type, steel, rein. conc., brick and stucco. 5-24

Miss., Ruleville—Ruleville Hotel Co., A. L. Pentecost and others, let contract at \$35,126 to Howell & Pearce, Greenwood, for 2-story and basement, rein. conc., brick, stone trim hotel; built-up roof; Emmett J. Hull, Archt., Merchants Bank and Trust Bldg., Jackson. 10-4

Mo., Joplin—Following sub-contracts awarded for 6-story Mayflower Apartments being erected by R. W. Cole and H. M. Bennett, for which Manhattan Construction Co., Court Arcade Bldg., Tulsa, Okla., has general contract: Plumbing and heating, Grinnell Heating Co., Pioneer Tr. Bldg., Kansas City; roof, Morgan Roofing Co., 623 Joplin St.; electric wiring, Chandeller Shop, 110 W. Sixth St.; millwork, Braeckel's Planing Mill, 1201 Wall St., all Joplin; kitchen units, beds, Murphy Door Bed Co., 22 W. Monroe St., Chicago. 9-13

Mo., St. Louis—Marquette Hotel Investment Co. erecting \$150,000 building, E. 18th St. and Washington Blvd.; 5 stories.

Mo., St. Louis—H. Specter, Wainwright Bldg., erect \$35,000, 3-story, 58x129 ft., brick tenement, 5347-49 Cabanne St.; J. Rubin & Sons, Contrs., 904 Chestnut St.; comp. roof, steam heat; B. Shapiro, Archt., 4200 Holly St.

Mo., St. Louis—Missouri Rolling Mill Corp., 6800 Manchester St., has contract for 225 tons rein. steel for hotel and office building, 12th and Olive Sts., for which Boaz Kiel Construction Co., 409 N. 7th St., has general contract.

Mo., St. Louis—Grove Godwin excavating for \$13,000, 2-story, 21.6x67.5 mt. brick tenement, 6057 Cates St.; hardwood floors, slate roof; Godwin Realty and Construction Co., Contr., both 5234 Delmar Blvd. See Want Section—Building Material and Equipment. 10-11

Mo., St. Louis—E. M. Hummel, 801 Chestnut St., erect two 2-story, 24x45 ft., brick tenements, 3861-63 Keokuk St.; \$17,000; comp. roofs, hot air heat; Swan Supply Co., Bldr., 808 Chestnut St.; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—L. Haich, 4932 Loughborough St., erect two 2-story, 25x49 ft., brick tenements, 6022-24 Leona St.; \$12,000; asphalt shingle roofs, hot air heat; owner, Archt.-Bldr.

Mo., St. Louis—Paramount Construction Co. (T. J. Potasnick, 44 Washington Terrace, and J. A. Pastel, 909 Pine St.), erect 15-story apartment, 4440 Lindell Blvd.

Mo., St. Louis—Eddy Building Co., 1624 Yale Ave., Richmond Heights, soon take sub-bids on \$40,000, 3-story, brick, 12-apartment; G. B. Willmering, Archt., 4118 W. Florissant St.

Mo., St. Louis—William H. and Nelson Cunliff, 410 N. Euclid Ave., erect 15-story hotel apartment, 15th and Olive Sts.

Mo., St. Louis—Amzi Realty & Building Co., erect \$20,000, 2-story, 55x91 ft., brick tenement, 2046-50 Olive St., comp. roof, steam heat; Amber & Zimmerman, Bldr., both 24 S. 10th St.

Okla., Oklahoma City—D. M. Witt, 1226 Perrine Bldg., erecting \$23,500, 2-story, 44x60 ft., brick veneer apartment, 314 W. 25th St.; comp. roof, oak floors, conc. and brick foundation; I. W. Cleveland, Archt.-Contr., 1022 W. 32nd St. 10-11

Tenn., Memphis—L. L. Diehl, 1663 Forrest Ave., has contract to erect \$80,000, 2-story and basement, 86x110 ft., brick veneer, 16-apartment, Linden and McLean Sts.; tile roof, hardwood and tile floors tile baths; Estes W. Mann, Archt., 203 Cotton Exchange Bldg.

Tenn., Memphis—J. W. Hull, 1144 Madison Ave., let contract to James Hamilton for \$85,000, 3-story and basement, 208x34 ft., brick apartment addition, 43 Bellevue Blvd.; comp. roof, oak floors, tile baths, stone trim, steam heat; Geo. Mahan, Jr., Archt., American Bank Bldg.

Tex., Austin—Driskill Hotel Co., C. M. Bartholomew, Pres., let contract at \$265,648 to L. H. Lacy Co., 2632 Swiss Ave., Dallas, for 12-story, fireproof annex to Driskill Hotel; \$9x100 ft., 200 rooms; plumbing, heating and wiring, \$75,980, Fox Schmidt Co., 415 W. 6th St.; Trost & Trost, Archts., Two Republics Bldg., El Paso. 9-20

Tex., Edinburg—W. A. Sibley erect \$25,000, 2-story, brick, cast stone trim, English type apartment; asbestos shingle roof, cast stone trim; Robt. L. Vogler, Archt.; owner builds.

Tex., Waco—Abe Levy, 1816 Colonial Ave., erect \$50,000, 2-story, brick veneer, 16-apartment, 1609-11 Washington Ave.; textured interior, frigidaire service; G. C. Goodgion, Contr., 1124 N. 13th St.

### Miscellaneous

La., Metairie—Crichton Brusford Fox let contract to Picard Construction Co., Hicks Bldg., New Orleans, for improvements on property in Metairie Ridge in Jefferson Parish; \$20,000.

La., New Orleans—P. G. Charbonnet, 830 Union St., has contract for building for Sister Home of the parish of Saint Leo The Great.

Md., Annapolis—Annapolis Yacht & Country Club, H. D. Fox, Pres., 920 Colorado Bldg., 14th and G Sts., N. W., Washington, D. C., let contract to De Sibour Construction Co. for \$250,000, 3-story brick clubhouse on Remson Farm, Greenbury Point; J. H. De Sibour, Archt., both Investment Bldg., 15th and K Sts., N. W., Washington. 2-23

Okla., Chickasha—Walter P. Brown let contract at \$17,918 to A. J. Puckett for 2-

story and basement, brick and frame funeral home; stone trim, comp. roof, hardwood floors; E. H. Eads & Co., Archts. 10-4

Okl., Tulsa—Following sub-contracts awarded on \$350,000 coliseum for Magic City Amusement Co., Bellows Construction Co., Gen. Contr., Herskowitz Bldg., Oklahoma City; Millwork, Huttig Millwork Co., Clinton Bldg.; heating and plumbing, Watts Co.; painting, Hanes Paint Co., 310 S. Cincinnati St.; stone, Consolidated Cut Stone Co.; brick, United Clay Producers Corp., 109 W. Sixth St.; steel, Kansas City Structural Steel Co., Mid-Continent Bldg.; Smith & Senter, Archts., Philtower Bldg. 9-6

### Railway Stations, Sheds, Etc.

Fla., West Palm Beach—Seaboard Air Line Rwy. Co., W. D. Faucette, Ch. Engr., Norfolk, Va., rebuilding warehouse and repairing passenger station damaged by storm.

Miss., Bay St. Louis—Louisville and Nashville R. R., W. H. Courtenay, Ch. Engr., Louisville, Ky., let contract to Lionel F. Favrot, Louisiana Bldg., New Orleans, for \$50,000, 2-story, 125x30-ft. brick, tile and stucco trim, Spanish type passenger station; comp. roof, 40-ft. shed. 10-4

Mo., St. Louis—Missouri Pacific R. R., E. A. Hadley, Ch. Engr., has permit for alterations to 1-story freight storage house, 20 O'Fallon St.; \$20,000; Humes-Deal Co., Bldr., 777 Arcade Bldg. 9-20

Okl., Seminole—Chicago, Rock Island and Pacific R. R., C. A. Morse, Ch. Engr., Chicago, let contract to T. S. Leake Construction Co., 608 S. Dearborn St., Chicago, for \$20,000 brick and stucco passenger station; A. T. Hawk Company, Archt. 10-4

Tex., Port Arthur—Waco, Beaumont, Trinity & Sabine Rwy. Co., P. G. Burns, Ch. Engr., Trinity, let contract to Foundation Construction Co., 120 Liberty St., New York, for passenger station. 9-20

Va., Norfolk—Pennsylvania R. R., E. B. Temple, Ch. Engr., Philadelphia, let contract to R. R. Richardson & Co., Inc., 408 Bank of Commerce Bldg., for \$70,000 warehouse at St. Julien's siding. 10-4

### Schools

D. C., Washington—Ficklin Co., Bond Bldg., has contract at \$10,640 for reconditioning partially completed bath house and pools at McKinley High School grounds.

Ga., Gainesville—Riverside Military Academy, Col. Sandy Beavers, has plans by H. A. Rawlins, Masonic Temple, Decatur, for \$50,000, 2-story and basement, brick, 20-class room academic building; auditorium to seat 600, laboratories and academic offices, comp. roof, steam heat; owner builds. 10-4

Ky., Bowling Green—Bd. of Education, T. C. Cherry, Supt., let contract at \$79,477 to Thomas J. Murphy & Son for 3-story, semi-fireproof, 16-room Jr. High School; Marr & Holman, Archts., 702 Stahlman Bldg., Nashville, Tenn. 9-27

Ky., Frankfort—State Bd. of Charities and Corrections, B. T. Brewer, Sec., let contract at \$81,000 to Kent K. Kern for dormitory at Feeble-Minded Institute; 2 stories and basement, 155x83 ft., brick, cut stone; C. C. & E. A. Weber, Archts., Ingalls Bldg., Cincinnati. 10-4

Miss., Bond—School Bd. let contract to P. P. Drymer Construction Co., Hattiesburg, for 1-story brick and tile school; E. C. Heaton & Son, Archts., 201½ W. Pine St., Hattiesburg. 10-4

Miss., Cleveland—Mississippi Building Comsn., W. C. Trotter, Sec., New Capitol Bldg., Jackson, let contract at \$234,095 to Currie & Corley, Raleigh and Jackson, for administration building, dormitory and dining hall at Delta State Teachers' College; plumbing and heating, \$21,903, S. S. Richart, Franklin, La.; electrical equipment, \$2948, Southern Electric Co., Hazlehurst; contract for campus improvements and central heating plant to be awarded later; Vinson B. Smith, Jr., Archt., Real Estate Bldg., Gulfport. 10-4

Miss., Oxford—Mississippi State Building Comsn., W. C. Trotter, Sec., New Capitol Bldg., Jackson, let contract at \$247,600 to Estes & Reed, Millsaps Bldg., Jackson, for girls' dormitory, 2 boys' dormitories at University of Mississippi; girls' dormitories 3 stories and basement, with 2 wings, 40x109 ft.; boys' dormitories 3 stories, 33x88 ft. all brick, hollow tile, stone exterior, tile roofs, tile baths, wood floors vapor heat; Alonzo B. Hayden Inc., Pass Christian, plumbing and heating, \$47,585; Thompson Electrical Co., Memphis, Tenn., electric wiring, \$5370; Frank P. Gates Co., Archts., 507 Edwards Hotel Bldg., Jackson. 9-27

Miss., Quitman—Quitman Separate School Dist. Trustees let contract at \$37,524 to L.

B. Priester & Son, 1403 12th Ave., Meridian, for 1-story, brick school and gymnasium; built-up comp. roof; P. J. Krouse, Archt., M. & W. Bldg., Meridian. 10-11

Miss., Starkville—Mississippi State Building Comsn., W. C. Trotter, Sec., New State Capitol Bldg., Jackson, let contract at \$19,750 to Layne-Central Co., Chelsea, Memphis, Tenn., for deep well and pipe connections at Agricultural and Mechanical College; also let contract at \$8738 to A. C. Jones, Wesson, Miss., for pump house and reservoir; Hartman-Clark Bros., Peoria, Ill., 2.5 mi. conc. road; Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson. 10-11

Miss., Tunica—Tunica County Bd. of Education let contract to D. O. Swain for gymnasium at Tunica County Agricultural High School. 10-11

Miss., Wesson—Mississippi School Supply Co., Jackson, has contract at \$11,000 for furnishing furniture and fixtures for buildings at Agricultural High School to serve as Copiah-Lincoln Jr. College; Emmett J. Hull, Archt., Merchants Bk. Bldg., Jackson; Howell Construction Co., Contr., Philadelphia, Miss. 8-16

Okl., Blair—Bd. of Education, R. B. Mayfield, Clk., let contract at \$16,300 to J. W. Harris, Mangum, for 6-classroom and auditorium school; R. B. Perkins, Archt., Altus. 10-11

Okl., Langston—State Bd. of Affairs, Roy O. Coppock, Member, Oklahoma City, let contract to Wilson Construction Co., Tulsa, for administration building at Colored Agricultural and Normal University; Guy C. Reid, Archt., Oklahoma City. 10-11

Tenn., Ramer—Bd. of Education erect \$12,000 brick grammar school; contract let. 10-11

Tenn., Nashville—Nashville Stone Setting Co. has contract to furnish and set cut stone for Father Ryan High School, 24th Ave. and Ellison Place, for which V. L. Nicholson Co., 102 W. Clinch Ave., Knoxville, has general contract at \$156,552; Regan & Weller, Archts., 226 Dermon Bldg., Memphis. 8-30

Tex., Houston—Detering Concrete Tile Co., 2510 Crockett St., has contract for furnishing hollow building tile for \$138,250, 36-room addition to Sidney Lanier, Jr., High School; West & Jensen, Gen. Contrs., Second Natl. Bank Bldg. 10-11

Tex., Huntsville—Following sub-contracts awarded for 3-story, 100x140-ft., rein. conc., brick, tile and stone, fireproof library at Sam Houston State Teachers' College for which Jopling Construction Co., Fidelity Union Bldg., Dallas, Tex., has general contract at \$159,990; Rein. steel, Concrete Engineering Co., Construction Industries Bldg.; misc. and ornamental iron, R. J. DeWees Co., Slaughter Bldg.; painting, George Franklin; metal windows and steel sash, Universal Building Products Co., Slaughter Bldg.; roofing and sheet metal, Rogers Asbestos Co., Inc., 1103 Main St.; millwork, Rogers Lumber & Manufacturing Co., 425 Second St., all Dallas; W. E. Ketchum, Archt., Pope Bldg., Austin. 9-13

W. Va., Wheeling—Bd. of Education let contract to Ward & Ward, Fairmont, for \$168,000, 3-story and basement, brick, combination auditorium and gymnasium addition to Madison School; Fred F. Faris, Archt., 1117 Chapline St.; Philip V. Faris, Constl. Engr. 8-30

### Stores

D. C., Washington—Jerry Maitico, 805 Fifth St., N. W., has contract for 3-story brick store and 4-apartment. 10-11

Fla., Mayo—George Land and Robert Lancaster started work on Land-Lancaster Bldg. on Monroe St.; 22x35 ft., interlocking tile, stucco finish; Frank Bourie, Contr. 10-11

Fla., Orlando—United Cigar Stores of America, H. M. Buckles, Supt. of Construction, 189 N. Clark St., Chicago, let contract to Barnes & Griffin, 7004 N. Rockwell St., Chicago, for improvements to building; terrazzo floors, plate glass and copper front. 10-11

Ga., Atlanta—Ansell-Lapin Stores Co., Inc., 258 Fifth Ave., New York, let contract to Wagar & Co., Norris Bldg., for interior and exterior remodeling of 2-story and basement brick store, 105 Whitehall St.; R. S. Monday, Archt., 1010-11 Norris Bldg. 9-27

Ga., Cedartown—J. C. Penney Co., Inc., 330 W. 3th St., New York, let contract to Norwood-Griffin Co., Bona Allen Bldg., Atlanta, for 2-story and basement, 121x36-ft. brick store; tile or cement coping, conc., maple and pine floors, metal ceilings, comp. roof. 10-11

Ga., Waycross—Watt Building Material Co., J. T. and L. T. Watt, let contract to T. J. Darling for 63x125 ft. building on Albany Ave. 10-11

La., Baton Rouge—William L. Hause, 518 Goldenrod Ave., let contract to Burkes Company for rein. conc., steel, brick and frame store. 10-11

La., Shreveport—Henry E. Schwarz, Archt., Slattery Bldg., let contract at \$15,729 to Werner Co., Inc., Commercial Bank Bldg., for remodeling Saenger Drug Store, Louisiana Ave. and Milam St., for stores; improvements to include masonry, steel and iron work, plastering, painting, sheet metal work, tile and marble work, glazing, plumbing, heating and electric wiring. 10-11

Md., Baltimore—Schulte-United, Inc., 485 Fifth Ave., New York, let contract to Consolidated Engineering Co., 20 E. Franklin St., for \$50,000, 3-story brick apartment store, 511-513½ N. Gay St.; E. T. Hoffman, company Archt. 10-11

Miss., Lake Cormorant—W. W. Blythe started laying foundation for 3-story brick building to replace burned structure; W. G. Jones, Contr., Memphis. 10-11

Mo., St. Louis—L. Lapresto, 532 N. Vandeventer St., let contract to store and hotel, 528-40 N. Vandeventer St.; \$15,000; alter 2-story tenement, 518-25 N. Vandeventer St.; \$8000; also remodel 2-story store and tenement, 3984-98 Washington St.; \$6000. 10-11

N. C., Charlotte—Johnson C. Smith University, Dr. H. L. McCrorey, Pres., let contract to Southeastern Construction Co., 210 W. Second St., for \$100,000, 1-story, brick church on campus. 9-27

N. C., Durham—E. J. Latta Roofing Co., Inc., 407 E. Chapel Hill St., erecting \$18,000, 2-story and basement, 100x26 ft., steel and brick building on Rigsbee Ave.; Consolidated Construction Co., Contr., Mangum St.; John D. Briggs, Archt.-Engr., 119 N. Dawson St., Raleigh. 10-11

N. C., Greensboro—A. J. Jamieson erect \$15,000, 98x66-ft. store, Tate St. and Walker Ave.; also \$12,000, 75x80-ft. store on N. Elm St.; both 1 story, brick; Coe & Alexander, Contrs. 10-11

Tenn., Memphis—Forrest Park, Inc., has permit for \$36,000 conc. and brick store, 778 Madison St.; S. & W. Construction Co., Contr. 10-11

Tex., Houston—James Prappas, Charles Peet, 310 Lenox St., and G. Halvas started work on \$7000, 1-story, 40x85 ft., brick building, Polk and Dowling Sts.; soon erect another \$7000 brick building on property. 10-11

Tex., Houston—Houston Lighting and Power Co., Electric Bldg., erecting community center to include Stores Building and group of smaller buildings; main unit consists of Stores Bldg. proper which serves several service departments, and 3 secondary buildings adjacent; Stores Bldg. to be 3 stories and basement, 100x150 ft., rein. conc.; top floor for meetings, social gatherings, etc.; secondary units, 111x180 ft., 40x300 ft. and 30x111 ft., one-story, brick; Don Hall, Contr., Cotton Exchange Bldg. 10-11

Tex., Houston—Ben Cohen, 908 Preston St., let contract to James A. Roberts, Bankers Mortgage Bldg., for \$26,500; 100x100 ft., 1-story, hollow tile and conc. building, Main and Anita Sts.; Joseph Finger, Archt., Keystone Bldg. 10-4

Tex., San Antonio—Ben A. Petty, Sr., care J. Clyde and Percy Williams, Archts., Moore Bldg., let contract to E. A. Huebner, Moore Bldg., for 1-story, conc., frame, hollow tile and brick store, 6th St. between Broadway and N. Alamo St. 10-11

Tex., Waco—T. J. Primm, Primm Bldg., let contract to J. F. Cason, 2325 Herring Ave., for 1-story, 75x130 ft. store on Austin Ave., between 9th and 10th Sts.; Herman F. Cason, Archt., Cameron Bldg. 10-11

W. Va., Charleston—Charles K. Payne, Charleston Natl. Bk. Bldg., started work on 3-story and basement, brick, steel, conc., terra cotta trim store and office, Lee and Hale Sts. 6-14

### Theaters

Fla., Miami—Biscayne Boulevard Co., 1301 Biscayne Blvd., let contract to Harrison Construction Co. for \$60,000 Civic Theater and Conservatory of Music, Biscayne Blvd. and 16th St.; 2 stories, 144x88 ft., rein. conc., quarry key stone, fireproof, conc., wood and tile floors, tile and comp. roof; Weed & Virrick, Archts., 2620 Biscayne Blvd.; L. Taylor, Engr., Congress Bldg. See Want Section—Building Material and Equipment. 10-4

### Warehouses

D. C., Washington—F. W. Bolgiano & Co., 915 E. St., N. W., let contract to R. P. Whitty Co., 1010 Vermont Ave., N. W., for \$60,000, 3-story brick warehouse, 613 E. St., N. W.; Milburn-Heister Co., Archt., Hill Bldg. 10-11

Tex., Brownsville—Harry Slavitchek erect \$11,000, 1-story, 50x70 ft., hollow tile and brick storage building; E. G. Holliday, Archt.-Contr. 10-11



# WANT SECTION

## THE CLASSIFICATIONS IN THIS SECTION ARE:

### Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

### Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

### Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

## Machinery and Supplies

**Air Compressor and Pump.**—Town of Star, N. C., T. J. Ellis, Commr.—Wants one electrically driven air compressor and electrically driven pump, to pump water from reservoir to tank.

**Central Vacuum Cleaning System.**—Milton G. Smith, Box 947, Greenville, S. C.—Wants to correspond with manufacturers of central vacuum cleaning machinery for hotels, apartment houses, churches, etc.

**Mop Machinery.**—Emory L. Wilson, 212 East Boulevard, Charlotte, N. C.—Plans establishing a small business and wants information on mop making equipment and machinery.

**Oil Presses.**—Ira S. Peightel, 1128 Warm Springs Ave., Huntingdon, Pa.—Wants prices and data from manufacturers of oil presses.

**Printing Plant Equipment.**—Sybil S. Froe, Enterprise, Ala.—Wants prices and data on second-hand printing plant equipment.

**Punching Press.**—Southern Equipment Co., 5016 S. 38th St., St. Louis, Mo.—Wants data and prices on press similar to Swaines Blanking Press No. 4, to be used in punching out 18 gauge material with no larger openings than 12x20 in.; uprights are to be 27 in. apart.

**Road Building Machinery.**—Mississippi Road Supply Co. P. O. Box 447, West Jackson, Miss.—Wants data and prices on road drags and wheelers for tractors and crawler tractors.

**Sawmills.**—L. B. Sam, care New China, Wing Hing & Co., P. O. Box 1358, Cristobal, Panama Canal Zone—Plans establishing mill in Chinese Republic and wants prices and data from American firms who manufacture sawmills capable of turning out from 50,000 to 100,000 ft. of lumber per day, preferably band sawmill.

**Vending Machines (Metal).**—J. H. Farbar, 308 Republic Bldg., Houston, Tex.—Wants information from manufacturers of metal vending machines; desires a box on the order of a paper towel holder, yet of stronger material and provided with locking devices and coin slot.

Guyan Machine Shops, Logan, W. Va., wants prices on following:

(1) **Boring, Drilling and Milling Machine**—horizontal, with bar about 3 in. in diameter

(2) **Transformers**—60 cycle, 2300 and 660 to 220-440 volts, size 5 KVA to 50 KVA.

W. M. Smith & Co., Birmingham, Ala.—Wants prices and data on following used equipment:

(1) **Band Saw**—30 to 36 in., pattern work

(2) **Generator**—30 to 50 K. V.-A. C., direct connected to gasoline engine.

(3) **Motor Generator Set**—50-75 K. W. to convert A. C. into 550 volts D. C.

(4) **Shear**—all steel alligator, scrap.

### Miscellaneous.

**Airplane Hangars, etc.**—Chamber of Commerce, Jacksonville, Tex.—Wants prices and data on airplane hangars and airport equipment.

**Automatic Gates.**—A. A. Jameson, 414 Jameson, 414 Rhodes Bldg., Atlanta, Ga.—Wants information from firms manufacturing automatic gates, meeting United States Post Office requirements for rural carriers.

**Benzol and Gasoline.**—S. A. Carburants & Goudrons de Forest, Rue Saint-Dennis, 60 et 62, Bruxelles-Forest, Belgium.—Wants benzol in bulk lots; also gasoline.

**Brass Strips.**—Lelia G. Sawyer, 401 Daytona St., Daytona Beach, Fla.—Wants prices on small brass or brass plated strips, about 2-in. long and 1/8 to 3/16 in. wide, in thousand lots.

**Stamped Tin Novelties.**—H. A. Norrell, Augusta, Ga.—Wants information from manufacturers of novelties in tin metal stamped, such as tin plate checker boards or game boards.

**Wire Door Mats.**—H. V. Carter Co., D. E. Graves, Mgr., 52 Beale St., San Francisco, Calif.—Wants information from manufacturers of wire door mats, of type made of square or heart-shaped sections, assembled to make them flexible.

**Activa, Soc. An., Director Goldenstein, Str. Cuza-Voa 11-15, Jassy (Roumainie).**—Wants prices and samples on following in large quantities: Absorbent cotton, surgical gauze, cotton piece goods, such as shirtings and all kinds of linings; cotton mosquito netting in all colors, vaseline, glycerine, castor oil, drugs, chemicals, pharmaceuticals.

**St. Simons Packing Co., Inc., St. Simons Island, Ga.**—Wants prices and information on following:

(1) **Boat Hull**—second hand, suitable for oyster dredge, about 100 bu. capacity

(2) **Cans** and other containers

(3) **Nets**—gill and seine

(4) **Tongs**—oyster and dredge.

**Marcel C. Hubert, Ingenieur Commercial, Thion, Belgium.**—Wants to represent American manufacturers desiring to sell products in Belgium and Northern France.

## Building Material and Equipment.

**Graver Godwin, 5243 Delmar Blvd., St. Louis, Mo.**, wants prices on following for \$13,000 tenement:

**Electric Refrigerators**

**Flooring**—hardwood, tile

**Mail Boxes**

**Roofing**—slate, tile

**Terra Cotta Trim.**

**John M. Marriott, Archt., 207 Frost Bldg., San Antonio, Tex.**, wants prices on following for \$31,000 parish house:

**Cast Stone**

**Flooring**—hardwood, tile

**Roofing**—asbestos shingle

**Tile**—hollow.

**Weed & Virrick, Archts., 2620 Biscayne Blvd., Miami, Fla.**, want prices on following for \$60,000 Civic Theater and Conservatory of Music:

**Cast Stone**

**Flooring**—hardwood, terrazzo, tile

**Metal Doors**

**Plaster Board**

**Roofing**—built-up, tile

**Sprinklers**

**Steel Sash and Trim**

**Tile**—gypsum, hollow, interior

**Ventilators**

**Wire Glass.**

**Curtis & Thomas, Archts., 1603 Pist-Dipatch Bldg., Houston, Tex.**, want prices on following for \$20,000 city hall, Alvin, Tex.:

**Cast Stone**

**Flooring**—hardwood

**Plaster Board**

**Roofing**—built-up, tile trim

**Tile**—hollow.

**Levy & Clarke, Supvg. Archts., Blum Bldg., Savannah, Ga.**, want prices on following for \$175,000 high school:

**Cast Stone**

**Flooring**—hardwood, tile.

**Limestone.**

**Marble.**

**Metal doors.**

**Plaster board.**

**Rolling partitions.**

**Roofing**—slate

**Tile**—hollow.

**Ventilators.**

**Wire glass.**

**Brass and bronze work.**

**T. F. Lockwood, Archt., Murrah Bldg., Columbus, Ga.**, wants prices on following for office bldg.:

**Roofing**—built-up

**Steel Sash and Trim**

**Tile**—hollow, interior

**Terra Cotta Trim**

**Ventilators**

**Wire Glass.**

**Upman & Adams, Archts., Woodward Bldg., Washington, D. C.**, wants prices on following for clerk's office and record room, Rosslyn, Va.:

**Flooring**—tile, composition

**Fire Doors**

**Metal Doors**

**Steel Sash and Trim**

**Tile**—gypsum

**Wire Glass.**

**Morris-McKoy Building Co., P. O. Box 25, Greenville, S. C.**, wants prices on following for \$90,000 Sunday school:

**Cast Stone**

**Flooring**—composition

**Limestone**

**Plaster Board**

**Roofing**—slate

**Steel Sash and Trim**

**Tile**—hollow

**O. J. Murer, 508 Columbia Blvd., Charleston, W. Va.**, wants prices on following for 4-apartment:

**Flooring**—hardwood

**Roofing**—built-up

**Tile**—hollow

**P. S. Mewhinney, Archt., Woodward Bldg., Birmingham, Ala.**, wants prices on following for \$125,000 church, Ensley, Ala.:

**Cast Stone**

**Flooring**—hardwood, tile

**Metal Doors**

**Rolling Partitions**

**Roofing**—tile

**Tile**—hollow

**Ventilators**

**Wood Sash and Trim**

**P. H. Willis, 927 Fifteenth St., N. W., Washington, D. C.**, wants prices on following for \$20,000 dwelling:

**Electric Refrigerators**

**Flooring**—hardwood, linoleum, tile.

**Hardware**

**Roofing**—slate.

**A. Ten Eyck Brown, Archt., Forsyth Bldg., Atlanta, Ga.**, wants prices on following for \$150,000 Sunday school and tower:

**Cast Stone**

**Flooring**—hardwood, linoleum

**Marble**

**Metal Doors**

**Rolling Partitions**

**Roofing (flat)**—built-up

**Steel Sash and Trim**

**Tile**—hollow

**Wire Glass.**

**Geo. R. Mann, Wanger & King, Archt., Donaghey Bldg., Little Rock, Archt.**, want prices on following for 2-story and basement bank bldg.:

**Cast Stone**

**Elevators**

**Flooring**—terrazzo, tile

**Limestone**

**Marble**

**Metal Doors**

**Roofing**—built-up

**Tile**—gypsum, hollow, interior

**Vaults**

**Ventilators**

**Wire Glass**

**Brass and Bronze Work**

## Bids Asked

**Airway Beacons.**—Division of Supplies, Dept. of Commerce, Washington, D. C.—Bids Oct. 22 for electric airway beacons, intermediate landing-field equipment, on St. Joseph-Omaha section, Kansas City-Omaha airway.

**Boiler.**—U. S. Engr. Office, Huntington, W. Va.—Bids Oct. 20 for portable locomotive type boiler.

**Bridges.**—State of Missouri. Bids for 23 bridges. See Construction News—Roads, Streets, Paving.

**Bridge.**—Knoxville, Tenn. See Construction News—Bridges, Culverts, Viaducts.

**Bridges.**—State of South Carolina—Bids for 2 bridges and culvert. See Construction News—Roads, Streets, Paving.

**Bridges, etc.**—State of Alabama—Bids for culverts and bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Jackson, Miss. See Construction News—Bridges, Culverts, Viaducts.

**Brushes.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Oct. 26 for 10,000 clothes and scrubbing brushes for delivery to Philadelphia, Pa.

**Cafeteria and Kitchen Equipment.**—E. H. H. Southern, Chmn. Building Committee, Haynesville, La.—Bids Nov. 7 for cafeteria and kitchen equipment, mechanical refrigeration, laboratory furniture and lighting fixtures for Haynesville High School.

**Creosoted Bridge Timber.**—Bd. of Supvrs. of Clay County, Julia H. Johnson, Clk., West Point, Miss.—Bids Nov. 5 for creosoted bridge timber, such as piling, flooring, strainers, braces and other timber used in construction of highway bridges.

**Electrical Equipment.**—W. C. Trotter, Sec. of State Building Comm., Capitol Bldg., Jackson, Miss.—Bids Oct. 26 for electrical equipment for University of Mississippi, delivered f. o. b., I. C. R. R., Oxford, Miss.; include 10 k.v.a. generator set; starting compensation; enclosed speed regulating rheostat.

**Gasoline and Oil.**—Director of Purchase and Sales Dept. of Agriculture, Washington, D. C.—Bids Oct. 23 for 20,000 gal. motor gasoline and 4000 qts. lubricating oil.

**Generator Set.**—Bureau of Yards and Docks, Navy Dept., Washington, D. C.—Bids Nov. 7 for 150 kw., engine driven, D.C. generator, switchboard panel, accessories, wiring, piping and connections at Naval Hospital, Norfolk (Portsmouth), Va.; specifications, etc., from L. E. Gregory, Chief of Bureau.

**Hardware and Tools.**—Depot Quartermaster, Marine Corps, Philadelphia, Pa.—Bids Oct. 22 for crowbars, meat saw blades, ratchet braces, glass cutters, carpenter hammers, chisel handles, pliers, nail pullers, etc.

**Heat Insulation.**—Bd. of Public Service, Room 208 City Hall, St. Louis, Mo.—Bids Oct. 30 for furnishing all materials, tools, rigging, scaffolding, labor to install heat insulation on all piping, heaters, pumps, boilers, breeching, air ducts, air preheaters and induced draft fans at Howard Bend Station of St. Louis Water Division, St. Louis County; plans, etc., from Water Commr., Room 312 City Hall.

**Incinerator Plant.**—City Commrs., J. W. Hawkins, Mayor, Lufkin, Tex.—Bids Nov. 6 for furnishing material and labor necessary for constructing incinerator plant, not less than 15-ton capacity in 8 hours.

**Levee.**—War Dept., U. S. Engr. Office, New Orleans River Dist., Office of Dist. Engr., River Front at Burdette St., New Orleans, La.—Bids Oct. 26 for constructing approximately 17,200 cu. yd. of earthwork in New Orleans River Dist., in Lower Tensas Levee Dist.—Palmyra Island (620 R), situated on Palmyra Island (Davis Island), Warren County, Miss.; about 19 miles below Vicksburg, Miss.; work consists of closing 1 major crevasse and 45 minor crevasses.

**Lumber.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Oct. 23 for 20,000 bm. ft. of rough yellow pine lumber for delivery to Quantico, Va.

**Miscellaneous Supplies.**—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Oct. 23 for following; Sch. 1908:

**Blue-printing machine, diamond drill outfit, automobile, power band saw, blue denim, alfalfa, hay, etc.**

**Miscellaneous Supplies.**—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Nov. 2 for following; Sch. 1910:

**Truck chassis, metal drums, celluloid, gaskets, asbestos paper, vulcanized rubber sheets, fire extinguishers, asphalt, pitch, lye, soap, steel wool, bond paper, clocks, etc.**

**Miscellaneous Supplies.**—Q. M. Supply Officer, Fort Sam Houston, Tex.—Bids Oct. 22 for hammer handles, punches, steel rules, wrenches, saws, stable brooms, scrubbing brushes, mop handles, stove polish, etc.

**Office Supplies.**—Office of Quartermaster Supply Officer, Fort Sam Houston, Tex.—Bids Oct. 24 for rubber bands, loose-leaf binds, typewriter type cleaning brushes, clips, erasers, adding machine ribbons, typewriter ribbons, sponges, rubber dating stamps, etc.

**Paints, etc.**—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Oct. 31 for paints, varnishes, enamels, paint ingredients, and putty; Sch. 1909.

**Paving.**—Baltimore, Md. See Construction News—Roads, Streets, Paving.

**Road.**—Elkton, Md. See Construction News—Roads, Streets, Paving.

**Road.**—Vicksburg, Miss. See Construction News—Roads, Streets, Paving.

**Road.**—Fairmont, W. Va. See Construction News—Roads, Streets, Paving.

**Roads.**—Bronson, Fla. See Construction News—Roads, Streets, Paving.

**Roads.**—Ashland, Miss. Bids for 2 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Missouri. Bids for 20 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of South Carolina—Bids for 11 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Alabama—Bids for 4 roads. See Construction News—Roads, Streets, Paving.

**Sidewalks.**—Abbeville, La. See Construction News—Roads, Streets, Paving.

**Sidewalks.**—Westwego, La. See Construction News—Roads, Streets, Paving.

**Sidewalks, etc.**—Knoxville, Tenn. See Construction News—Roads, Streets, Paving.

**Steel Barges.**—War Dept., U. S. Engr. Office, Wilmington, N. C.—Bids Nov. 12 for constructing, testing and delivering 2 steel barges; further information on application.

**Steel Intake Pipe.**—Sewerage and Water Bd.

A. G. Moffat, Sec., Room 401, Carondelet St., New Orleans, La.—Bids Nov. 15 for furnishing and constructing steel intake pipe for river pumping station.

**Street.**—Atmore, Ala. See Construction News—Roads, Streets, Paving.

**Street.**—Gastonia, N. C. See Construction News—Roads, Streets, Paving.

**Street.**—Birmingham, Ala. See Construction News—Roads, Streets, Paving.

**Street.**—El Campo, Tex. See Construction News—Roads, Streets, Paving.

**Tractors.**—Supt. of Prisons, Dept. of Justice, Washington, D. C.—Bids Oct. 23 for 5-ton crawler type tractor and 15-30 h.p. tractor.

**Window Shades.**—Construction Division, Veterans' Bureau, Washington, D. C.—Bids Nov. 8 for door and window shades at U. S. Veteran's hospital, Gulfport, Miss.

**Wire Fence.**—Bd. of Awards, Baltimore, Md.—Bids Oct. 24 for furnishing and erecting wire fence at new Montebello filters.

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### Half Million South Carolina Brick for World's Largest Y. M. C. A. Building.

The Sumter Brick Works, Sumter, S. C., makers of Alredale Brick, report receiving contract for one-half million brick for use on the Y. M. C. A. building to be erected in New York, and said to be the largest structure of its kind in the world. The design of the building is of antique Italian architecture and calls for artistically tinted brick. Dwight James Baum, of New York, is the architect.

### Cooper Company Buys Plant.

The C. & G. Cooper Company, engine builders, Mt. Vernon, Ohio, has purchased the manufacturing end of the Hope Engineering Company, including the Hope manufacturing plant, plant site and engine designs, and it now is being operated as a division of the Cooper organization. The Hope line of vertical gas engines and compressors will also fill out the Cooper line, which previously consisted of the slow speed horizontal types, chiefly in the larger sizes.

### Window for Positive Ventilation.

A new combination casement and projected window has been placed on the market by David Lupton's Sons Company, Philadelphia, to provide ventilating and air circulation. The design calls for two side-hinged out-swinging ventilators below which is an in-at-the-top projected ventilator. By the combination of planes a natural circulation of air may be provided. The window is made in 50 sizes. A catalog may be secured from the company.

### Navy Buys Air Compressor.

The bureau of yards and docks of the Navy has notified the Hardie-Tynes Manufacturing Company, Birmingham, Ala., that it has been awarded contract for a 6000 cubic foot capacity, cross compound, Corliss steam driven, two-stage air compressor for installation at Portsmouth, N. H. The fact that the contract was awarded to the Hardie-Tynes company for shipment to New England is cited by it as further evidence that Birmingham is now capable of competing in the manufacture of high grade heavy machinery with all parts of the United States.

### New Harrisburg Foundry Company.

Termination of the receivership for the Harrisburg Foundry and Machine Works through the formation and incorporation of a new company, the Harrisburg Foundry and Machine Company, Inc., Harrisburg, Pa., is announced, with C. W. Lynch as president. The old plant was purchased by Mr. Lynch, who had operated it successfully for years, before selling his interest about eight years ago. The plant is prepared to supply grey iron castings and miscellaneous machine work of high grade, and will continue to manufacture the Harrisburg dual clearance unafrow engine, the Harrisburg single valve and Corliss valve engines.

### Distribution Through Charlotte, N. C.

Advantages of merchandise distribution through Charlotte, N. C., are set forth in detail in a special report on distribution prepared and issued by the Charlotte Industrial Bureau, as of September 1, last. Geographically, Charlotte is shown to be in the heart of the Piedmont section, not far from Atlanta or from Washington, D. C., with four railroads, one of which has two branch lines. More than 100 passenger trains serve the city daily, 52 trains handling express, and 233 solid carloads of freight, while 103 package cars serve manufacturers and jobbers. The information is detailed, yet compact, and is convincing in its nature and presentation.

### Erie Company in Chicago.

The Erie Steel Construction Company, Erie, Pa., has opened an office in Chicago for the sale and services of Erie AggreMeter plants and Erie clamshell buckets. O. H. Watson is in charge, 231 Engineering Building, and will handle inquiries and questions on steel bins, volumetric and weighing AggreMeters, clamshell buckets, overhead traveling cranes, and storage yard installations.

### Whiting Agent in Texas.

The Whiting Corporation, Harvey, Ill., cranes, foundry equipment and railroad specialties, has appointed the D. S. Mair Machinery Company of Houston as its Texas agent to handle the complete Whiting and Swenson lines.



**Money for Small Borrowers.**

Of interest to every line of industry is a statement in a pamphlet, "Lending Money to Small Borrowers," distributed by Lee Higginson & Co., bankers, Boston, Mass.: "The American commercial banking system—though it seems vast beyond belief—covers the credit needs of considerably less than half the population. Actually millions of honest, trustworthy persons are without banking facilities and cannot go into a bank to borrow even \$50 or \$100." Capital, it concludes, is being attracted into "the small-loan" field, and finds it "a safe and profitable form of investment."

**Lenoir City, Tenn., is Pictured.**

Lenoir City, Tenn., is shown "at a glance" and pictured as "a young and progressive town typifying the spirit of the New South" in a folder issued by the Chamber of Commerce. Information is given on accessibility and transportation, labor advantages, climatic conditions, soil fertility, freight and shipping facilities, power and hydro-electric development, mineral products and coal supply, water supply, schools, churches, clubs, hotel facilities, industries and payroll and opportunities for the present and future. Further information can be obtained from the industrial department of the Tennessee Electric Power Company, Chattanooga.

**Two Stanley Safety Devices.**

The Stanley Works, box strapping division, New Britain, Conn., has put on the market two new safety products, Stanley Eversafe box strapping and the Stanley Eversafe round end cutter, the function of which is to add to the safety of workmen handling box strapping in shipping departments. The combination of these two products has received recognition in safety councils and liability insurance circles as promoting the safety of workmen handling the packing and shipping of various commodities.

**Hydro-Bar Products Distribution.**

The Sisalkraft Products Company, Pinehurst, N. C., announces completion of arrangements under which it will distribute the products of the Hydro-Bar Corporation, New York City, in North Carolina, South Carolina, Virginia, Tennessee and Georgia. It also will engage in all kinds of waterproofing, damp-proofing, window caulking, etc., under personal supervision by Col. George P. Hawes, Jr., supervising engineer.

**Equitable Trust's New Office.**

Another link in the chain of Equitable Trust Company, New York City offices has been opened at Seventy-ninth street and Madison avenue. James J. Ga Nun and Arthur Kunzinger are in charge.

**Orders for Oil-Electric Locomotives.**

The Donner Steel Company, Buffalo, N. Y., has ordered three more 300-horsepower oil-electric locomotives to be built jointly by the Ingersoll-Rand Company, New York City; the General Electric Company and the American Locomotive Company. The company already has one of these units in operation.

**Chemical Engineering Catalog.**

The Chemical Engineering Catalog, published by the Chemical Catalog Company, Inc., makes its thirteenth annual appearance with even more information and in finer form than in previous years. In its 1107 pages are collected and condensed almost innumerable data on equipment, machinery, laboratory supplies, heavy and fine chemicals and raw materials used in industries employing chemical processes of manufactures. All these are easily found through the makeup, which includes classified index and careful cross-references. Also, there is a technical and scientific books section, cataloging and briefly describing a practically complete list of books in English on chemical and related subjects. An important feature is a trade name index. Information on distribution, price, etc., is obtainable from the publishers, 419 Fourth avenue, New York City.

**Florida's Glorious Future.**

Under the title, "Florida, An Advancing State," Nathan Mayo, commissioner of agriculture of that State, presents in book form an industrial survey, which is thus summarized: "If Florida people fail to work together in seeking for more demand, there is no need to lay emphasis on increased supply. This is basic in relation to everything we grow or extract or make for sale."

Of the numerous interesting features, none is more striking than the "human element," which Grosvenor Dawe emphasizes in his letter of submission of the survey to the commissioner of agriculture and the absence of comparisons with other States. As he explains, "the report contains considerable material in reference to the human being as the most important consideration when viewing the State as a whole"; also, "it was felt that Florida, through knowledge of itself, should stand on its own feet," without comparisons.

Designedly, there is more emphasis on forest products than on any other single topic, as "our forests have been our strength and now must be managed, or they will prove to be our weakness"; for Florida "produces only one-thirty-sixth of the lumber cut of the Nation." Agriculture, Marketing and Manufacturing are considered in detail and with valuable comments and suggestions. Three points are brought out:

1. "Fewer than 1,500,000 acres are now under cultivation for fruits, truck and general farming. This means that, from the viewpoint of the future, 96 per cent of the entire Florida area must be carefully considered as to permanently profitable uses. Applied science and hard work lie ahead.
2. "Florida is larger by 9000 square miles than the Empire State of New York; yet on a basis of the 1927 estimate of 1,363,000 people, it has only one inhabitant to every 25 acres; it is still a pioneer State.
3. "We must remember that Florida in past years has grown by external forces—the needs of the Nation and the world. \* \* \* However, the future is bright, if we will but lift up our eyes and move forward. There is a regenerative power in frankly facing an obligation."

Nearly 350 pages are filled with information and statistics on Florida's resources, industries, activities, advantages and its opportunities for the future.

**Bids Invited on \$400,000 Y. M. C. A. Building.**

Beaumont, Tex.—Bids will be opened November 5 by the Young Men's Christian Association, T. M. Whitehurst, chairman of the building committee, for the erection of a proposed \$400,000 building here. The structure will be 4 stories, of reinforced concrete, brick, steel and cast stone. Tisdale, Stone and Pinson, of Beaumont and Nashville, Tenn., are the architects and John W. Ogg, of the Architectural Bureau of the International Committee of the Young Men's Christian Association, New York, is supervising architect.

**Utilities Company Increases Capital to \$90,000,000.**

Louisville, Ky.—The capital stock of the Louisville Gas and Electric Company has been increased from \$45,000,000 to \$90,000,000 by action of the stockholders. A portion of the proceeds from the sale of new stock, it is announced, will be used for expansion and improvements. A new hydro-electric power development at Ohio Falls is being carried out by the company.

**\$1,000,000 Mortgage Company for Houston.**

Houston, Tex.—The Fidelity Bond and Mortgage Company, with offices in the Post-Dispatch Building here, has been organized by Colonel Thomas H. Ball, W. H. Holland, R. C. Burrows and associates, Colonel Ball to serve as president until permanent officers are elected. The company is capitalized at \$1,000,000 and will deal principally in first mortgages and first mortgage bonds on improved Houston real estate.

**\$800,000 Oil Refinery Under Way in Texas.**

The Richardson Refining Company, of Big Spring, Texas, is building an \$800,000 oil refinery three miles east of Big Spring, for a capacity of 5000 barrels daily. The Foster-Wheeler Corporation, New York, has contract for the topping plant and the Graver Corporation, East Chicago, Ind., for the Jenkins units.

### Applied X-Rays and Future Possibilities.

By HERBERT R. ISENBURGER, President, Herbert R. Isenburger, Inc., New York.

X-rays have proved a valuable stimulus in the development of that particular line of scientific activity which we call biological physics. Not the least important result of the development of these rays has been that they have formed a common link between other branches of science that hitherto had drifted in something approaching independent existence. In the domain of chemistry, X-rays have been instrumental in emphasizing the fundamental electrical nature of the elements and of the manner in which they combine.

In mechanical engineering X-rays are on the threshold of their career of usefulness. Problems concerning the exact nature of structural modifications produced in metals by heat and other treatment are to a considerable extent unsolved. Also, there is the more practical application of radiography in the service of the mechanical engineer.

The application of X-rays in searching for flaws and defects in engineering materials has been successfully employed. The fact that the interior of solid structures can be examined without cutting them up has a high potential value. The cost of engineering work on castings is considerable, and as the casting or forging is larger the cost of subsequent machining work greatly increases. The radiologist can demonstrate cracks and holes in castings, but this is not enough for the engineer, he wants to be told what the flaws mean. The problem is not difficult, but the principle must be developed into something simple and definite before it can be used in factory routine without specialized assistance.

If a reliable method of determining the soundness of a weld could be used, welding would be adopted to a much larger extent than now. This is particularly true of ship-building, where riveting is so widely employed. The use of X-rays to examine ship welds in place has been considered, and the problem seems possible of solution. It would be necessary to design and construct an X-ray plant of great power capable of being slung over the side of a ship, but this application of X-rays has such importance that it warrants consideration.

In the realm of industry in general X-rays have yet to be established, and such is the conservatism of modern business that much energy must be expended in explaining obvious applications. The radiologist does not know all the problems of industry. He can only offer his rays as a new tool, and leave it to the manufacturer to suggest the particular problems in his own sphere which they may help to solve.

### Germany to Build \$1,000,000 Embassy Building.

Washington, D. C.—The German Government plans to build a new \$1,000,000 embassy building on Massachusetts avenue at Thirtieth street, although it is stated at the German Embassy that a definite announcement will not be made until the return of the German Ambassador to this country. Negotiations for the acquisition of the site have been in progress several months.

### Baltimore to Vote on \$20,500,000 Loans.

By virtue of four ordinances passed by the City Council of Baltimore and approved by Mayor Wm. F. Broening, the city will vote November 6 on loans aggregating \$20,500,000. One ordinance provides for an issue of additional stock or certificates of indebtedness to an amount not exceeding \$2,500,000 for the establishment and development of an airport for which a previous loan of \$1,500,000 has already been sold. A second

ordinance provides for the issuance of certificates of indebtedness to an amount not exceeding \$6,000,000 for widening Howard street, while a third authorizes the issuance of stock to an amount not exceeding \$10,000,000 for the development of the harbor, the latter being a portion of a \$50,000,000 loan authorized by act of the General Assembly of Maryland in 1920. A fourth ordinance provides for the issuance of additional stock or certificates of indebtedness to an amount not exceeding \$2,000,000 for street and alley paving, being a portion of an issue of \$8,000,000 authorized by the General Assembly in 1927.

### National Manufacturers Face Busy Session.

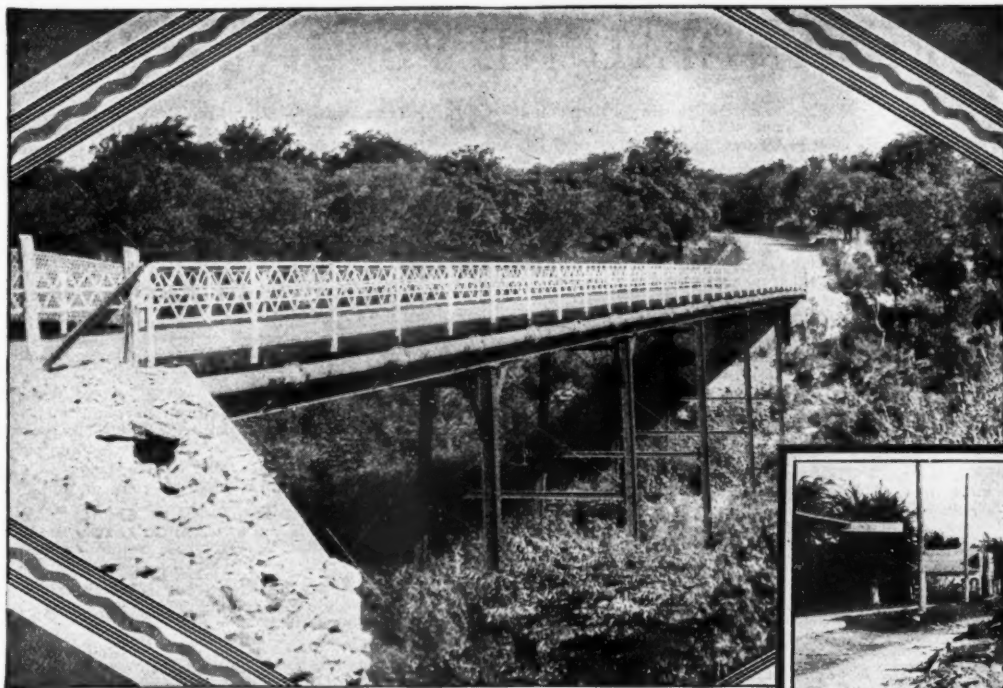
New York, October 15—[Special.]—Numerous subjects of great importance are given prominent places in the agenda of the National Association of Manufacturers for its thirty-third annual meeting, to be held at the Waldorf-Astoria Hotel, October 22, 23 and 24. With the first day occupied by corporate reports, the second day will open with a review of work on the Association's Platform of American Industry, by President John E. Edgerton. "The Relationship of Railway Transportation to the Economic Welfare of the Country" will be discussed, and reports by the Immigration Committee, Patents and Trade Marks Committee and Merchant Marine Committee will be presented and analyzed. One of the most important features will be the Open Shop group session, on Tuesday afternoon, with Staunton B. Peck of the Link-Belt Company, Philadelphia, presiding. Developments will be presented, such as "The New Bedford Strike," "Union Organization Efforts in the Metal Trades," "Nationwide Conspiracy Against the American La France and Foamite Company," "Union Versus Independent Coal Operation," "Racketeering, or Who Are the Real Union Leaders?" and other papers. The vice-presidents include H. B. Rudisill, Anniston, Ala.; William B. Baker, Atlanta, Ga., and George F. Lang, Baltimore, Md.

### Iron and Steel Institute Meeting.

New York, October 15—[Special.]—One of the most interesting and important sessions of the American Iron and Steel Institute will convene at the Hotel Commodore on Friday, October 26, with a comprehensive program. Among the papers to be presented will be: "An Acoustic Laboratory for the Testing of Music and Other Steel Wires," W. B. White, American Steel and Wire Company, Chicago, Ill.; "Uniformity, Continuity and Magnetic Testing," A. V. de Forest, American Chain Company, Bridgeport, Conn.; "Steel Requirements of the Aircraft Industry," H. J. French, Bureau of Standards, Washington, D. C.; "Recent Observations of Some European Iron and Steel Conditions," C. A. Meissner, United States Steel Corporation; "The Present Status of Structural Steel Welding," F. T. Llewellyn, president American Welding Society; "Steels Used by the Automotive Industry," W. J. MacKenzie, vice-president Interstate Iron and Steel Company, Chicago, Ill. Charles M. Schwab is president of the Institute; James A. Farrell, Willis L. King and John A. Topping, vice-presidents; W. J. Filbert, treasurer; E. A. S. Clarke, secretary, and Howard H. Cook, assistant secretary. The committee on arrangements includes Mr. Schwab, Mr. Farrell, Mr. Topping, Mr. Clarke and Eugene G. Grace.

The City of Greensboro, N. C., P. C. Painter, manager, has awarded contract at \$194,880 to the Seaboard and Southern Construction Co., Jacksonville, Fla., for the construction of a bridge and to R. G. Lassiter and Company, Greensboro, at \$41,237, for building a reservoir, both in connection with waterworks improvement.





Eight-inch Anthony Joint deLavaud gas pipe line suspended on bridge across Colorado River at Austin, Texas

To reduce installation costs Anthony joint pipe is available in 24-ft. lengths made up of two standard lengths welded and tested under ideal conditions at our plant

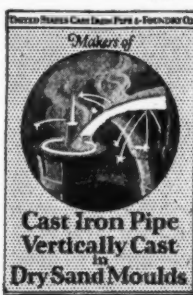


## No leaks occur in *this* bridge crossing

**E**ACH year there is added proof of the soundness of deLavaud cast iron pipe with the Anthony joint for gas and water service. The Austin Gas Co. installed the 8 in. deLavaud main illustrated above in 1926. Where this line crosses the Colorado River Bridge, conditions are unusually severe, due to peculiar strain and constant vibration. That leakage has never developed is practical evidence of the

great tensile strength of deLavaud pipe and the flexibility of the Anthony joint.

In modern high-pressure gas lines this type of installation has proved widely satisfactory. Under daily pressures of 90 to 125 lbs. leakage can be practically eliminated. DeLavaud pipe gives pressure-proof tightness, combined with ease of installation, and the age-defying economy of good cast iron.



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Kansas City: 13th & Locust Sts.  
Seattle: 1st & Marion Sts.  
Minneapolis: 6th Street & Hennepin Avenue

# FINANCIAL NEWS

## Bond Issues Proposed

- Ala., Mobile—City votes Oct. 26 on \$600,000 bonds: \$400,000, water works extension; \$200,000, auditorium.
- Ala., Montgomery—City, W. A. Gunter, Mayor, votes in Nov. on \$1,000,000 bonds for water mains extension, erection 4,000,000-gal reservoir, fire dept., etc.
- Ark., Camden—City plans selling, in near future, \$20,000 fire equipment bonds.
- Ark., Keiser—J. K. Childs, Sec., Bd. of Education, receives bids Oct. 20 for \$75,000, not to exceed 5½% Mississippi County Consolidated School Dist. No. 31 bonds.
- Ark., Osceola—Bd. of Dir., Osceola Special School Dist., Mississippi County, W. W. Pre-witt, Pres., receives bids Oct. 25 for \$129,000 6% bonds.
- Fla., Blountstown—Bd. of Public Instruction, Calhoun County, J. K. Musgrove, Sec., receives bids Nov. 10 for \$30,000, 6% Special Tax School Dist. 3 bonds.
- Fla., Bronson—Road—Levy County Comms. receive bids Oct. 30 for \$375,000 bonds.
- Fla., Jacksonville—Street—City Comm., M. W. Bishop, Sec., receives bids Oct. 22 for \$45,000 4½% \$1000 denom. bonds.
- Fla., Orlando—Orange County Bd. of Public Instruction, James A. Knox, Chmn., receives bids Nov. 6 for \$30,000 5½% \$1000 denom. Special Tax School Dist. No. 7 (Oakland-Winter Garden Special Tax School) bonds; \$10,000 6% \$500 denom. Special Tax School Dist. No. 10 (Fairville Special Tax School Dist.) bonds.
- Fla., Tallahassee—Road—State Road Dept., Fons A. Hathaway, Chmn., receives bids Nov. 10 for \$100,000 5% \$1000 denom., Series A, B, C, D and E bonds.
- Ga., Macon—Bibb County votes Nov. 6 on \$1,000,000 4½% \$1000 denom. bonds: \$500,000, roads; \$500,000, schools.
- Ky., Henderson—Henderson County Fiscal Court receives bids Nov. 3 for \$100,000 to \$200,000 4¼% road bonds.
- La., Eunice—Sewer—City plans \$80,000 bond election.
- La., Lafayette—City voted \$210,000 bonds: \$80,000, sewerage system; \$81,000, disposal plant; \$50,000, municipal swimming pool; defeated \$25,000 airport. 9-13
- La., Lake Charles—Gravity Drainage—Bd. of Comms. Gravity Drainage Dist. No. 2, Calcasieu Parish, M. J. Kaufman, Sec., receives bids Nov. 19 for \$40,000 6% \$500 denom. bonds.
- La., Natchitoches—Road—Natchitoches Parish, Road Dist. A-10, votes Nov. 3 on \$70,000 6% bonds.
- La., New Orleans—Bd. of Liquidation, Bernard C. Shields, Sec., receives bids Oct. 30 for \$7,000,000 bonds: \$3,000,000, 4½%, \$1000 denom. bonds for proposed auditorium, criminal courts bldg., Parish prison, House of Detention; \$4,000,000, 4½%, \$500 denom. sewerage, water and drainage bonds.
- Md., Baltimore—City, Wm. F. Broening, Mayor, votes Nov. 6 on \$20,500,000 loans: \$2,500,000, airport; \$6,000,000, widen Howard St.; \$10,000,000, harbor development; \$2,000,000, paving, bridges, grade crossing elimination. 10-4
- Miss., Hattiesburg—Water, Sewer—City, B. D. Moore, Mayor, plans \$23,000 bond issue.
- Miss., Hazlehurst—City votes soon on \$12,000 bonds: \$8500 to purchase old Baptist Church; \$3500 for Mangold Athletic field.
- Miss., Holly Springs—Marshall County, J. T. Wade, Chancery Clk., receives bids Oct. 24 for \$100,000 5 to 5½% \$500 denom. Barton and Byhalia Road Dist. bonds.
- Mo., Kansas City—City, H. F. McElroy, Mgr., plans voting Nov. 6 on \$750,000 bonds: \$250,000, traffic signals; \$100,000, underpasses to schools; \$400,000, Oak St. viaduct.
- Mo., Poplar Bluff—Water—City votes Nov. 16 on \$225,000 bonds. Lately noted Dec. 15. 9-27
- Mo., St. Joseph—School—City voted \$2,180,000 bonds; N. S. Hillyard, Member of School Board. 9-13
- N. C., Charlotte—City, Mayor Read, considering \$200,000 bond issue for municipal incinerator.
- N. C., Chadbourne—Street—Town, R. Inman, Clk., receives bids Oct. 22 for \$25,000 6% \$1000 denom. bonds.
- N. C., Concord—Public Improvement—City, B. E. Harris, Clk., receives bids Oct. 25 for \$85,000 \$1000 denom., not to exceed 6% bonds.
- N. C., Gastonia—City, W. L. Walters, Clk., receives bids Oct. 25 for \$100,000 bonds: \$85,000, street; \$15,000, water works extension. 10-4
- N. C., Spindale—Bd. of Comms. authorized issuance of \$18,800 bonds: \$1500, electric light system; \$12,000, water supply system; \$5,300, street.
- N. C., Warrenton—Warren County Official Bd., Joseph C. Powell, Clk., receives bids Nov. 5 for \$50,000 \$1000 denom., not to exceed 5% funding bonds.
- N. C., Washington—Funding—Beaufort County Comms., G. Rumley, Clk., receive bids Oct. 19 for \$125,000, not to exceed 6% bonds.
- Okla., Chelsea—Water—City votes Nov. 6 on \$150,000 bonds. 9-13
- Okla., Norman—Paving—City Comm., authorized \$25,000 bond issue for Paving Dist. No. 62.
- Okla., Purcell—Sewer—City votes Nov. 6, on \$22,500 bonds.
- Okla., Rogers—City votes Oct. 30 on \$45,000 city hall, playground and equipment bonds.
- Okla., Tulsa—Park—Park Bd., Omar Benedict, Pres., authorized sale of \$200,000 of \$500,000 bonds.
- Tenn., Chattanooga—Airport—City, James A. Cash, Commr., votes Nov. 6 on bonds. 9-27
- Tenn., Lebanon—Road, etc.—Wilson County votes soon on \$500,000 bonds.
- Tenn., Selmer—Water, Sewer—City votes in Nov. on bonds; W. K. Abernathy, Mayor. 5-24
- Tenn., Shelbyville—School—City voted \$20,000 bonds.
- Texas—Dallam, Hartley and Sherman Counties considering bond election and forming road dist.; W. R. Slaton, Hartley County Judge, Channing.
- Tex., Abilene—Water—City votes Nov. 17 on \$575,000 bonds.
- Tex., Arlington—City plans issuing \$25,000 city hall warrants.
- Tex., Austin—City considering \$500,000 storm and sanitary sewer bond sale.
- Tex., Baird—Courthouse—Callahan County Comms. Court, S. E. Settle, Clk., receives bids Oct. 22 for \$125,000, 5%, \$1,000 denom. bonds.
- Tex., Beaumont—City, Ed W. Gross, Mayor, receives bids Oct. 23 for \$150,000 bonds.
- Tex., Beaumont—Road, Bridge—Jefferson County Comms. Court plans selling \$100,000 6% warrants.
- Tex., Brady—School—City votes Oct. 30 on \$135,000 bonds; W. I. Brogden, Sec., School Board. 9-20
- Tex., Brownsville—Irrigation—Cameron County Water Improvement Dist. No. 10, V. L. Conrad, Engr., voted \$680,000 bonds. 9-20
- Tex., Brownsville—Road—Cameron County, Oscar D. Dancy, County Judge, plans selling \$1,000,000 5% bonds about Jan. 1, 1929.
- Tex., Brownsville—Channel—City considering \$2,000,000 bond issue: \$600,000 to government; \$720,000, dredge channel; \$100,000, provide lands required by government; \$580,000, docks and terminal facilities.
- Tex., Brownsville—City, A. B. Cole, Mayor, plans \$500,000 bond election: \$50,000, sanitary sewers; \$150,000, water and light system improvements and extensions; \$200,000, paving; \$100,000, parks and airports.
- Tex., Columbus—Road—Colorado County considering \$1,500,000 bond issue.
- Tex., Comanche—Paving—City considering \$50,000 bond election.
- Tex., Edinburg—Irrigation—Hidalgo County, A. W. Cameron, Judge, votes Oct. 27 on \$1,500,000 bonds for Irrigation in Water Control and Improvement Dist. No. 1, McAllen.
- Tex., Floydada—Road—Floyd County votes in few weeks on bonds.
- Tex., Gainesville—Road—Cooke County considering \$2,000,000 bond election. 9-27
- Tex., Galveston—Galveston County, E. B. Holman, Judge, may call \$250,000 bond election for civil appeals court building.
- Tex., Houston—School Bd., Bus. Mgr. Mills, receives bids Dec. 4 for \$1,995,000 4¼% bonds.
- Tex., Lefors—Courthouse, Jail—Gray County Comms. Court, Charlie Thut, County Clk., receives bids Oct. 20 for \$250,000, 5½ or 6% warrants.
- Tex., Montague—Road—Montague County votes Nov. 3 on \$750,000 bonds. 10-11
- Tex., Orangeburg—McLewis School Dist., Orange County, votes Oct. 27 on \$12,500 bonds.
- Tex., Port Aransas—Road—Port Aransas Dist. votes Nov. 10 on \$200,000 bonds.
- Tex., Port Neches—Water, Sewer—City plans \$125,000 bond election; H. L. Thackwell, Engr.
- Tex., San Benito—City, J. Scott Brown, Mayor, contemplates \$190,000 bond election in Dec.; \$140,000, refund; \$50,000 street and sewer. 10-4
- Tex., Wharton—Wharton County, El Campo Dist. voted \$250,000 road bonds.
- Tex., Waxahatchie—Ellis County, Ennis Road Dist. No. 16, voted \$1,125,000 bonds: \$636,000, outstanding road bonds; \$489,000, roads. 9-20
- Va., Hopewell—City, Roy S. Braden, Mgr., rejected bids for \$300,000 5% bonds for municipal improvements. 9-20
- W. Va., Buckhannon—Road—Upshur County, Washington Road Dist., votes Nov. 6 on \$65,000 bonds.
- W. Va., Martinsburg—Martinsburg Independent School Dist. voted \$125,000 5½% bonds; Lee Siler, Sec. Bd. of Education. 9-27
- W. Va., Shepherdstown—School—Shepherdstown Dist. votes Nov. 6 on \$40,000 bonds.
- W. Va., West Union—Road—Doddridge County, McClellan Road Dist. votes Nov. 6 on \$75,000 to \$100,000 bonds.

## Bond Issues Sold

- Ga., Jackson—Paving—City sold \$13,000 5½% \$1000 denom. bonds, jointly, to J. H. Hilsman & Co., Inc., and Citizens and Southern Co., both Atlanta, \$108 premium.
- Ky., Paducah—Road, Bridge—McCracken County Fiscal Court sold \$200,000 4½% bonds to City National Bank of Paducah, par and \$750 premium. 9-27
- La., Harrisonburg—Road—Catahoula Parish Police Jury, J. K. McGee, Sec., sold \$50,000 6% \$1000 denom. Sub-Road Dist. No. 1 of Road Dist. No. 1 bonds to L. E. French & Co., and W. D. Hill & Co., all Alexandria, par, accrued interest and \$400 premium. 9-20
- N. C., Goldsboro—Wayne County sold \$227,000 4¼% school building and funding bonds to N. S. Hill & Co., Cincinnati, Ohio, \$692 premium. 9-20
- Tenn., Nashville—State Funding Bd. sold \$4,000,000 short term notes to American National Co., Nashville. 9-13
- Tex., Waco—Improvement—City Comms., E. E. McAdams, Mgr., sold \$400,000 4½% bonds, jointly, to Kaufmann, Smith & Co., St. Louis, Mo., and Taylor, Ewart & Co., Chicago, Ill., premium \$3120: \$180,000, school; \$110,000, street; \$50,000, airport; \$30,000, drainage; \$30,000, bridge. 9-20
- Tex., Wichita Falls—Refunding—City, W. E. McBroom, Clk., sold \$250,000 4¼% bonds to Garrett & Co., Dallas, and Illinois Merchants Trust Co., Chicago, 99 and accrued interest. 9-13

## New Financial Corporations

- La., New Orleans—A. M. Bishop Investment Co., Inc., capital \$60,000, chartered; Andrew M. Bishop, Sr., Pres., Hibernia Bldg.; L. J. Hermann, V.-P.
- La., Shreveport—General Finance Co., Inc., capital \$200,000, chartered; H. M. Gatti, Pres., Slattery Bldg.; Jake G. Levy, V.-P., 440 Prospect Ave.
- Mo., St. Louis—L. Warrington Baldwin, Pres., Mo.-Pac. R. R., Abraham M. Frumberg, Pres., Plaza-Olive Investment Co., interested in forming bank with \$2,000,000 capital, in New Missouri-Pacific Bldg., Thirteenth and Olive St.
- N. C., Raleigh—Central Investment Corp. of Raleigh, capital \$100,000, chartered; J. C. Root, 409 N. Wilmington St.
- Okla., Enid—Central Investment Co., capital \$15,000, chartered; A. E. and W. L. Stephenson, W. L. Schafroth.

(Continued on page 110)



# Borrowing

**WE** invite conservatively managed companies to discuss their borrowing requirements



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### Corporation Surplus Funds In LIQUID SECURITIES

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suitable for the  
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**General Securities Corp.**  
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**HAVE YOU BONDS FOR SALE?**  
WE BUY ALL CLASSES OF MUNICIPAL BONDS,  
INCLUDING CITY, COUNTY, SCHOOL,  
PAVING, ROAD AND DRAINAGE  
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### SOUTHERN TEXTILE SECURITIES

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### We Buy Bonds

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### FLORIDA MUNICIPAL BONDS

We specialize in the purchase and sale of all Florida  
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### JOHN NUVEEN & CO.

First National Bank Building      CHICAGO

We purchase SCHOOL, COUNTY and MUNICIPAL  
BONDS. Southern Municipal Bonds a Specialty.

Write us if you have bonds for sale.

*Taylor,  
Wilson  
& Co. Inc.*  
INVESTMENT SECURITIES

### WE BUY MUNICIPAL BONDS

Public officials are invited to avail  
themselves of our facilities for  
preparation of legal details.

Your inquiry receives prompt attention.  
701-2 Dixie Terminal Bldg.      CINCINNATI

### We Buy and Sell MUNICIPAL BONDS AND NOTES CORPORATE PREFERRED STOCK and BOND ISSUES

See Us on Southern Financing

**R. S. DICKSON & CO.,**      Gastonia, N. C.  
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### THE ROBINSON-HUMPHREY COMPANY MUNICIPAL AND CORPORATION BONDS

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We Underwrite MUNICIPAL BONDS in States of  
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THE growth and development of the South and  
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## Industrial, Public Utility and Real Estate Mortgage Financing

SINCE 1865 we have been continuously engaged in the investment banking business and during this period have done original financing in all of the States and Provinces of the United States and Canada, respectively, which are shaded in the above map, and also in the Republic of Cuba.

Continued financing by means of temporary loans is unsound. We can assist you in securing additional permanent capital, which may be applied to the reduction of bank loans and other current obligations, or to improvements and extensions to your plant and equipment. An inquiry will bring you a prompt reply and more detailed information, without obligation to you.

## Peabody, Houghteling & Co.

10 South LaSalle Street, CHICAGO

Detroit Milwaukee St. Louis San Francisco Minneapolis Cleveland

Established 1865

## FINANCIAL NEWS

(Continued from page 106)

Okla., Jennings—First State Bank of Jennings, capital \$150,000, chartered; John B. Grieves, Teriton; Richard Griffith, Cleveland.

S. C., Columbia—Peoples Bank of Columbia, 1244 Main St., capital \$100,000, organized; R. Goodwyn Rhett, Chmn. of Bd.; John P. Thomas, Jr., Pres., Palmetto Bk. Bldg.; to be affiliated with Peoples' First National Bank of Charleston, R. Goodwyn Rhett, Pres.

W. Va., Bluefield—Bluefield Mortgage Corp., capital \$50,000, chartered; E. H. Easley, 153 Giles St.

Leader Building and Loan Assn., 10 N. Main St., Memphis, Tenn., F. O. Statler, Pres., increased capital, \$5,000,000 to \$10,000,000.

Lewis Investment Co., Butler Disman, Atty., 803 Reiger Bldg., Kansas City, Mo., plans increasing capital, \$20,000 to \$30,000.

## Trade Literature

**Fire Prevention.**—Many articles of value, with informative insurance data, characterize the 1928 Fire Prevention Year Book published by Hough-Lawson, Inc., Baltimore. Under the main subject, two score subsidiary topics are discussed, ranging from care of the fire hose, through effective gasoline legislation and making home motion pictures safe, to zoning as applied to gasoline filling stations. Fire drills in schools and institutions forms an important subject, and how Greensboro, N. C., reduced its fire loss is described. Numerous illustrations, some in color, add to the attractiveness and interest of the book.

**Textiles.**—Pertinent facts interesting to textile executives are presented in a series of booklets on Alabama and Georgia prepared by Robert & Co., Inc., architects and engineers, Atlanta, and distributed by the Atlanta & West Point Railroad, the Western Railway of Alabama and the Georgia Railroad. Detailed information is given as to locations on these railroads available for manufacturing industries, particularly the cotton mill industry, and the booklets set forth valuable data in regard to climate, water supply and many other factors. Maps, illustrations and tables add to their value.

**Surge Tank.**—Johnson Differential Surge Tanks, a booklet issued by the Chicago Bridge and Iron Works, announces that the company has made an arrangement to secure the services of Raymond D. Johnson on surge tank design. No fee is charged for such designs when submitted. The booklet points out the particular advantages of the differential surge tank for hydraulic power plant regulation. The pages are illustrated with installations made by the company, including pipe lines, penstocks, tees, manifolds, wyes, etc. Copies may be secured from the company.

**Transfer Pumps.**—Details and operations of a new hand transfer pump, described as vapor-proof, fireproof and explosion-proof, are given in a circular issued by the George D. Roper Corporation, Rockford, Ill. The pump is adaptable for three-quarter inch to 1½ or 2 inch bung openings, and is said to have a number of new and important features, the case being made of special grade aluminum.

**Bucket Elevator.**—One hundred and eighty-four bucket elevators of different styles or sizes, with capacities from 6½ to 750 tons an hour, are offered in a new bucket elevator catalog, No. 465, by the Jeffrey Manufacturing Company, Columbus, Ohio. The catalog shows types of chains, buckets and casings used in standard Jeffrey elevators, and describes the silent ratchet safety lock that may be supplied with any bucket elevator.

**Tramrail.**—Fundamental principles of materials handling as applied to various important manufacturing industries are treated adequately in a handsome catalog, "Cleveland Hand or Electric Tramrail," issued by the Cleveland electric tramrail division of the Cleveland Crane and Engineering Company, Wickliffe, Ohio. Various products of the company are described in detail and specifications, designs and tables of various kinds feature the book.

**Woodworkers.**—By saving time and labor, floor space and power, the Master Universal electric woodworker is said in a brochure issued by the Meehan-Johnson Machine Company, Minneapolis, Minn., to increase profits materially. The No. 900 with attachments, it adds, will do practically any job that may come up in the shipping room, on the construction job, in the maintenance department, in the lumber yard or in the wood-working factory.

**Cranes.**—As "the newest member of the American locomotive crane and ditcher family," the American supply train crane is described in a comprehensive folder issued by the American Hoist and Derrick Company, St. Paul, Minn. With a lifting magnet, it handles all kinds of track metals, ranging from spikes to rails. Four 110-pound, 39-foot rails are said to be handled at a time, and bolts, spikes, etc., are handled in the original bags, boxes or kegs.

**Hortonsphere.**—Storing Gas at High Pressure, a booklet issued by the Chicago Bridge and Iron Works, describes the use of the Hortonsphere for high pressure gas storage. The illustrations show the structure to be pleasing in appearance and easily land-scaped. The booklet contains a table of standard capacities and detailed tabular costs of high pressure transmission. One statement is that Hortonspheres ranging from 58,000 to 385,000 cubic feet capacity require only 17 to 41 cubic yards of concrete for foundations.

**Chlorinizer.**—The Paradon Manufacturing Company, Arlington, N. J., has issued bulletin 281 describing the Paradon chlorinizer, a new type of chlorinating apparatus for the sterilization of small water supplies, small sewage flows and small swimming pools. The chlorinizer can also be used for the application of various chemical solutions in small amounts.

**Tractors.**—Power and balance are said in a catalog of the General Tractor Company, Cleveland, Ohio, to be the outstanding features of the General tractor, together with flexibility of implement hook-up. The work of the General tractor in plowing, middle breaking or listing, discing and harrowing, planting and seeding, cultivating and harvesting is described, and its advantages as a self-contained unit are given.

## Book Review.

**Wings—Aircraft Year Book for 1928.** Edited by Samuel Stewart Bradley. New York: Aeronautical Chamber of Commerce of America, Inc. Cloth. Pp. 551. \$5.25.

This is the day of Aeronautics—just as the railroad, the telegraph, the telephone, the electric light and the automobile in turn have been launched on the sea of service to mankind and civilization. And no more valuable contribution of its kind to the science and industry of aeronautics could well be devised than this volume from one of the foremost promoters of aeronautics. The achievement of the year, says the opening chapter, in review, has been the gaining of public confidence; to quote: "This year, the objective which we have realized or gained is that most desired, difficult, long deferred and most precious thing—widespread public confidence. Most difficult, because it is a thing beyond human control; our most perplexing problems of engineering and operations have been nothing by comparison. Most precious, because without public confidence we cannot proceed with our program of putting aircraft to work." As one of the greatest factors in this winning of public confidence, the editor naturally gives first place to epochal flights of 1927, and the achievement of Colonel Lindbergh naturally heads this chapter. Under "Civil Aviation in the United States" are shown by word and picture and figures the tremendous advances of aeronautics in passenger carrying, mail service and so on; the tremendous importance of aeronautics in flood relief and rescue work; the work of the forest fire air patrol—a dozen important activities. Conditions abroad are detailed. Technical development is so treated that the layman becomes as interested as the actual flyer and engineer and mechanic. Of value to industry of every kind is the section captioned "The Aeronautical Industry." Also, the trade index at the close is worth close study. The Aircraft Year Book for 1928 is of value to "the man on the street," just as much as to the man in the air.

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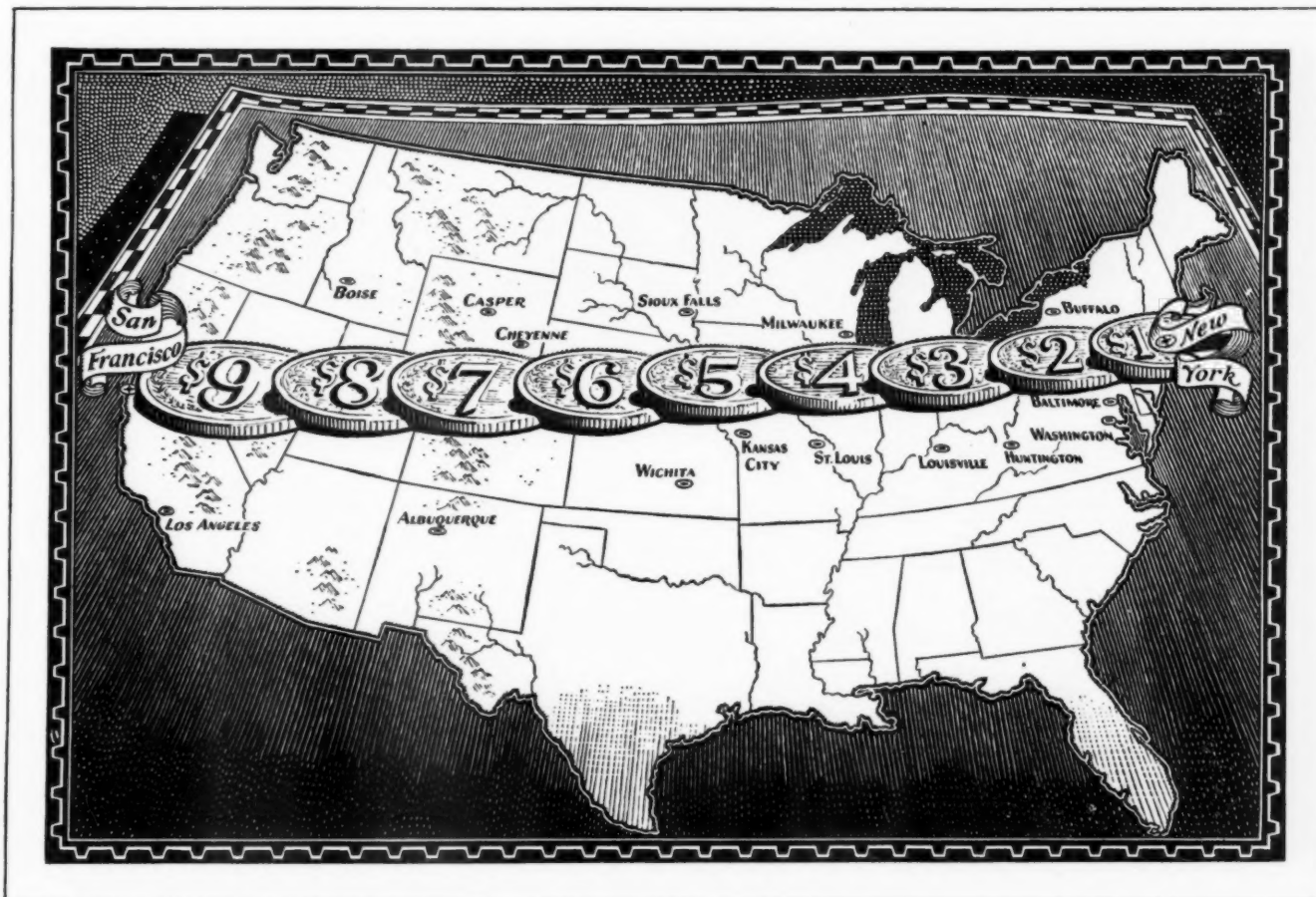
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# How Cheaply you can "Travel" by Telephone



## *⌘ An Advertisement for Bell Long Distance Telephone Service*

UNDER the latest station to station day rates, you can now "travel" the thousands of miles to a point across the continent and return by telephone for only \$9.00. From Dallas to New Orleans and return for only \$2.20. From Detroit to Chicago and back for only \$1.35. From San Diego to Mexico City and return for only \$10.50.

A Chicago business man recently had to endeavor to close negotiations with 30 concerns in 12 cities. Preliminary work had been done, but personal contact was necessary. In one day, he saved 5000 miles of physical travel and at least ten days' time from his office. He made four long distance calls to New York. Two to Buffalo. One to Syracuse. One to Covington, Va. Six

to Pittsburgh. Five to Cleveland. One to Louisville. Two to St. Louis. Two to Kansas City. Two to St. Paul. Three to Milwaukee and one to New Orleans.

His negotiations were successful in 60% of the calls. "In many cases," says this man, "the long distance telephone call is actually superior to a personal call. It gets an immediate audience."

The president of a large Philadelphia rubber company has each one of his salesmen call him at the end of the day. Often large sales that a man is about to give up as hopeless are saved by the suggestions received from his president by Long Distance.

What distant trips could you profitably make today by telephone? . . . *Number, please?*





# PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close October 24, 1928.

U. S. Engineer Office, 300 Custom House, Baltimore, Md. Sealed proposals will be received here until 1 o'clock P. M., Eastern Standard Time, October 24, 1928, and then opened, for dredging approximately 210,000 cubic yards of material in Baltimore Harbor and Channels, Md. Further information on application.

Bids close October 22, 1928.

U. S. Engineer Office, Wilmington, N. C., September 19, 1928. Sealed bids will be received at this office until 12 o'clock noon October 22, 1928, and then publicly opened for furnishing all labor and materials and performing all work for dredging approximately 151,700 cubic yards of sand and mud in Neuse and Trent Rivers, N. C. Further information on application.

Bids close November 16, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., October 12, 1928.—SEALED BIDS will be opened in this office at 3 P. M. November 16, 1928, for extension and rehabilitation of the U. S. Postoffice, Corinth, Miss. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, and provided a deposit is made of \$15 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close November 7, 1928.

Sealed bids, indorsed "Bids for Engine Driven Generator, Specification No. 5642," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M. November 7, 1928, and then there publicly opened, for 150-kilowatt, engine-driven, direct-current generator, switchboard panel, accessories, wiring, piping and connections at the Naval Hospital, Norfolk (Portsmouth, Va.). Specification No. 5642 and accompanying drawing may be obtained on application to the Bureau or to the Commandant, Navy Yard, Norfolk, Va. Deposit of a check or postal money order for \$10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawing and specification. L. E. Gregory, Chief of Bureau, October 2, 1928.

Bids close October 30, 1928.

SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received until 11 A. M. October 30, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Recreation Building and Covered Passage, including road, walk, curbs and grading at U. S. Veterans' Hospital, Memphis, Tennessee. This work will include excavating, reinforced concrete construction, hollow tile, brick work, cast stone, marble work, floor and base tile, iron work, steel sash, iron stairs, with slate treads; slate, metal and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, insect screens, painting, glazing, hardware, plumbing, heating, electrical work and outside sewer, water, steam and electric distribution systems. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 764 Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$15, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening bids. FRANK T. HINES, Director. September 27, 1928.

## GENERAL INFORMATION

### About Proposal Advertising in Manufacturers Record

PUBLICATION DAY: Thursday.

FORMS CLOSE: 10 A. M. Tuesday.

When too late to send copy by regular mail to reach us by 10 A. M. Tuesday, forward by night letter or air mail when possible.

### THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened or when daily insertions are necessary to meet legal requirements.

The rate is the same for both publications—35 cents a line each insertion.

Bids close October 22, 1928.

U. S. Engineer Office, Wilmington, N. C., September 19, 1928. Sealed bids will be received at this office until 12 o'clock noon October 22, 1928, and then publicly opened for furnishing all labor and materials and performing all work for constructing and delivering three steel barges. Further information on application.

Bids close November 2, 1928

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., October 2, 1928.—SEALED BIDS will be opened in this office at 3 p. m., November 2, 1928, for the construction of the U. S. new post office at Olyphant, Pa. Drawings and specifications, not exceeding six sets, may be obtained at this office in the discretion of the supervising architect by any satisfactory general contractor, and provided a deposit is made of \$15.00 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close October 23, 1928.

### Timber Bulkhead

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION

### NOTICE TO CONTRACTORS

Baltimore, Md.  
SEALED PROPOSALS for building a Timber Bulkhead as follows:  
Wicomico County, Cont. W-49—A timber bulkhead, 450 feet in length, near Isabella Street Dam in Salisbury.  
will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 23rd day of October, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.  
BY ORDER of the State Roads Commission this 4th day of October, 1928.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close November 27, 1928.

### Bridges

Montgomery, Ala.

Sealed bids will be received by the Alabama State Bridge Corporation at the office of the State Highway Department, Montgomery, Alabama, until 10:00 A. M., November 27, 1928, and at that time publicly opened for the construction of each of the following fifteen bridges:

A Highway bridge across the Alabama River near Camden in the County of Wilcox, State of Alabama.

The length of bridge to be constructed is approximately 3100 lineal feet, and the proposed work includes:

- 1 480-ft. three-span continuous steel superstructure.
- 2 160-ft. deck truss steel spans
- 6 Reinforced concrete piers
- 2300 Lin. ft. concrete trestle.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before May 1, 1930.

Certified check for Sixteen Thousand Dollars (\$16,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Alabama River at Claiborne in the County of Monroe, State of Alabama.

The length of bridge to be constructed is approximately 7500 lineal feet, and the proposed work included:

- 3 260-ft. through truss steel spans
- 4 Reinforced concrete piers
- 3050 Lin. ft. approach trestle.
- 3650 Lin. ft. earth approach embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before August 1, 1930.

Certified check for Seventeen Thousand Dollars (\$17,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Coosa River at Cedar Bluff in the County of Cherokee, State of Alabama.

The length of bridge to be constructed is approximately 2300 lineal feet, and the proposed work includes:

- 1 232-ft. hand operated swing span.
- 3 reinforced concrete piers.
- 1100 Lin. ft. of concrete pile trestle approach
- 1000 Lin. ft. of earth embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and to be completed on or before October 1, 1929.

Certified check for Five Thousand Dollars (\$5,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Coosa River near Riverside in the Counties of Saint Clair and Talladega, State of Alabama.

The length of bridge to be constructed is approximately 930 lineal feet, and the proposed work includes:

- 1 232-ft. hand operated steel swing span.
- 2 200-ft. through truss steel spans.
- 8 365-ft concrete deck girder spans.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before December 1, 1929.

Certified check for Seven Thousand Dollars (\$7,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Coosa River near Childersburg in the Counties of Shelby



and Talladega, State of Alabama.

The length of bridge to be constructed is approximately 840 lineal feet, and the proposed work includes:

- 3 180-ft. through truss steel spans
- 2 78-ft. steel I-beam spans
- 3 45-ft. steel I-beam spans,

All on reinforced concrete piers, bents and abutments.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before October 1, 1929.

Certified check for Six Thousand Dollars (\$6,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tombigbee River in the County of Pickens, State of Alabama.

The length of bridge to be constructed is approximately 4200 lineal feet, and the proposed work includes:

- 1 200-ft. through truss steel span
- 2 120-ft. deck truss steel spans
- 4 reinforced concrete piers
- 1700 Lin. ft. approach trestle
- 2000 Lin. ft. earth embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before December 31, 1929.

Certified check for Eight Thousand Dollars (\$8,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tombigbee River at Gainesville in the Counties of Greene and Sumter, State of Alabama.

The length of bridge to be constructed is approximately 4300 lineal feet, and the proposed work includes:

- 1 200-ft. through truss steel span
- 3 120-ft. deck truss steel spans
- 5 reinforced concrete piers
- 2100 Lin. ft. approach trestle
- 1650 Lin. ft. earth approach embankment,

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before December 31, 1929.

Certified check for Ten Thousand Dollars (\$10,000.00) made payable to the President of Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tombigbee River near Epes in the Counties of Greene and Sumter, State of Alabama.

The length of bridge to be constructed is approximately 4600 lineal feet, and the proposed work includes:

- 1 160-ft. through truss steel span
- 5 reinforced concrete piers
- 2 160-ft. deck truss steel spans
- 1 120-ft. deck truss steel spans
- 4000 Lin. ft. concrete trestle.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before March 1, 1930.

Certified check for Fifteen Thousand Dollars (\$15,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tombigbee River near Butler in the Counties of Choctaw and Marengo, State of Alabama.

The length of bridge to be constructed is approximately 13,300 lineal feet, and the proposed work includes:

- 1 500-ft. three-span continuous steel superstructure.
- 2 130-ft. deck truss steel spans.
- 6 reinforced concrete piers.
- 3460 Lin. ft. approach trestle.
- 9100 Lin. ft. earth approach embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before June 30, 1930.

Certified check for Twenty Thousand Dollars (\$20,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if

awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tombigbee River, near Jackson, in the Counties of Clarke and Washington, State of Alabama.

The length of bridge to be constructed is approximately one mile and the proposed work includes:

- 1 209.25-ft. vertical lift steel span
- 2 180-ft. steel spans
- 4 reinforced concrete piers
- 2850 Lin. ft. concrete pile trestle
- 2000 Lin. ft. earth approach embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before June 30, 1930.

Certified check for Twenty Thousand Dollars (\$20,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Warrior River near Eutaw in the Counties of Greene and Hale, State of Alabama.

The length of bridge to be constructed is approximately 15,000 lineal feet, and the proposed work includes:

- 1 480-ft. three-span continuous steel superstructure
- 1 160-ft. deck truss steel span
- 5 reinforced concrete piers
- 4500 Lin. ft. approach pile trestle
- 10,000 Lin. ft. earth embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before May 1, 1930.

Certified check for Sixteen Thousand Dollars (\$16,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Warrior River near Demopolis in the Counties of Greene and Marengo, State of Alabama.

The length of bridge to be constructed is approximately 10,500 lineal feet, and the proposed work includes:

- 1 480-ft. three-span continuous truss steel span
- 4 reinforced concrete piers
- 5000 Lin. ft. approach pile trestle
- 5000 Lin. ft. earth embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before June 1, 1930.

Certified check for Sixteen Thousand Dollars (\$16,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tennessee River near Scottsboro in the County of Jackson, State of Alabama.

The length of bridge to be constructed is approximately 4000 lineal feet, and the proposed work includes:

- 1 766-ft. three-span through truss steel superstructure
- 4 200-ft. through truss steel spans
- 9 reinforced concrete piers
- 1400 Lin. ft. concrete and timber pile trestle
- 1000 Lin. ft. earth embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before April 1, 1930.

Certified check for Twenty Thousand Dollars (\$20,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tennessee River at Guntersville in the County of Marshall, State of Alabama.

The length of bridge to be constructed is approximately 3500 lineal feet, and the proposed work includes:

- 1 766-ft. three span continuous through truss steel superstructure
- 6 78-ft. steel I-beam spans
- 10 reinforced concrete piers
- 2300 Lin. ft. concrete pile trestle approach.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before April 1, 1930.

Certified check for Seventeen Thousand Dollars (\$17,000.00) made payable to the

President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A highway bridge across the Tennessee River at Whitesburg in the Counties of Madison and Morgan, State of Alabama.

The length of bridge to be constructed is approximately 8000 lineal feet, and the proposed work includes:

- 1 766-ft. three-span continuous through truss steel superstructure.
- 4 200-ft. through truss steel spans
- 8 reinforced concrete piers
- 1800 Lin. ft. concrete and timber pile trestle
- 4700 Lin. ft. earth embankment.

Performance of the contract shall commence within fifteen (15) days after the execution of the contract and be completed on or before June 1, 1930.

Certified check for Twenty Thousand Dollars (\$20,000.00) made payable to the President of the Alabama State Bridge Corporation must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

The specified bonus will be paid for completion in advance of the above date and the fixed liquidated damages deducted for delay in completion.

Monthly payment will be made for eighty-five (85) per cent of the construction completed each month.

Bidders must submit proposals upon the forms provided by the Corporation. Proposals must cover all labor, materials and incidentals necessary to complete a bridge ready for traffic.

Alternate bids shall be submitted on concrete and reinforcing steel items conditioned (a) on the Contractor furnishing all materials and (b) Corporation furnishing the cement and reinforcing steel.

Plans and specifications may be seen at the office of the Engineer at the State Highway Department at Montgomery, Alabama.

Index plans and specifications for a bridge may be secured from the Alabama State Bridge Corporation, Montgomery, Alabama, upon deposit of \$10.00 which amount will not be refunded unless a bona fide proposal is submitted and the plans returned on the opening date.

The right to reject any or all bids is reserved.

Envelopes containing proposals must be marked "Proposal for Bridge Work." ALABAMA STATE BRIDGE CORPORATION.

WOOLSEY FINNELL, President.

Bids close October 30, 1928.

### Highway Construction

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION

#### NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building three sections of State Highway as follows:

Frederick County, Cont. F-121—One section of State Highway from the Middletown-Burkittsville Road to Broad Run, a distance of 1.38 miles. (Concrete.)

Prince George County, Cont. P-90—One section of State Highway from end of Cont. P-85 to Horsehead for a distance of 1.5 miles. (Gravel.)

Montgomery County, Cont. M-108—One section of State Highway between the D. C. Line at 16th Street and the 7th Street Pike for a distance of 0.33 mile. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 30th day of October, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 15th day of October, 1928.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close October 23, 1928.

### Highway Construction

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION

#### NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows: Cecil County, Cont. Ce-72—One section of State Highway to connect with Government Road along the C. & D. Canal at Chesapeake City and at the Delaware Line, a distance of 0.5 mile. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 23rd day of October, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 11th day of October, 1928.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close October 26, 1928.

### Roads and Bridges

Nashville, Tenn.

Sealed bids will be received by the State of Tennessee, Department of Highways and Public Works, at their offices in the Memorial Building, Nashville, at 10 A. M. Friday, October 26, 1928, and opened publicly at that hour, for the construction of the following projects:

S.B. PROJECT NO. 4-C, PERRY COUNTY—Grading and drainage of 0.856 mile of State Highway No. 20 between Linden and Perryville, being the East approach S.B.P. 4-A at the Tennessee River.

S.B. PROJECT NO. 8-B AND 323-C, MONROE-LOUDON COUNTIES—Grading and drainage of 1.891 miles of State Highway No. 33 between Madisonville and Maryville, being the approaches to S.B.P. No. 8-A at the Little Tennessee River.

S.B. PROJECT NO. 9-A, STEWART COUNTY—The construction of a steel and concrete bridge over the Cumberland River on State Highway No. 76 at Dover.

S.B. PROJECT NO. 9-B, STEWART COUNTY—The construction of two concrete deck girder bridges on State Highway No. 76 at Dover, being overflow bridges to S.B.P. 9-A.

S.B. PROJECT NO. 10-B, MEIGS COUNTY—Grading and drainage of 1.126 miles of State Highway No. 58 between Decatur and the Hamilton County line, being the approaches to S.B.P. No. 10-A at the Hiwassee River.

S.B. PROJECT NO. 11-A—HANCOCK COUNTY—The construction of a steel and concrete bridge and earth approaches on State Highway No. 66 over the Clinch River near Sneedville.

S.B. PROJECT NO. 12-A, CLAY COUNTY—The construction of a steel and concrete bridge on State Highway No. 52 over the Cumberland River at Celina.

S.B. PROJECT NO. 13-B, HENRY COUNTY—The construction of a concrete deck girder bridge on State Highway No. 76 at the Tennessee River, being an overflow bridge to S.B.P. No. 13-A.

S.B. PROJECT NO. 13-C, HENRY AND STEWART COUNTIES—Grading and drainage of 0.818 mile of State Highway No. 76 at the Tennessee River, being the earth approaches to S.B.P. No. 13-A. Drag line will be permitted.

PROJECT NO. 80-C, DAVIDSON COUNTY—The construction of a steel and concrete bridge and earth approaches on 1.419 miles of State Highway No. 24 at Stones River.

PROJECT NO. 122-E, LAWRENCE COUNTY—The construction of two concrete bridges on State Highway No. 15 East of Lawrenceburg.

PROJECT NO. 214-D, MADISON COUN-

TY—The construction of a concrete overhead structure and approaches on State Highway No. 5 over the I. C. Railway South of Jackson.

PROJECT NO. 353-C, HAMILTON COUNTY—Grading and drainage of 7.928 miles of State Highway No. 29 between Falling Water and Soddy. Bids for two bridges over twenty-foot span will be received separately.

PROJECT NO. 371-B, PUTNAM COUNTY—Construction of a concrete bridge over Falling Water Creek on State Highway No. 42 between Cookeville and Monterey.

PROJECT NO. 378-C, GIBSON COUNTY—Grading and drainage of 9.646 miles of State Highway No. 54 between Trenton and Bradford. Bids for two timber bridges over twenty-foot span will be received separately.

PROJECT NO. 378-D, WEAKEY COUNTY—Grading and drainage of 11.330 miles of State Highway No. 54 between Greenfield and Dresden. Bids for six timber bridges over twenty-foot span will be received separately.

PROJECT NO. 378-E, GIBSON COUNTY—Construction of a timber overhead structure and approaches on State Highway No. 54 over the M. & O. Railroad near Trenton.

PROJECT NO. 379-F, COCKE COUNTY—Grading and drainage of 5.370 miles of State Highway No. 9 between the Jefferson County line and Newport. Bids for three bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 385-B, HENRY COUNTY—Grading and drainage of 17.330 miles of State Highway No. 76 between Paris and the Tennessee River. Bids for eight concrete deck girder bridges over twenty-foot span will be received separately.

PROJECT NO. 386-A, HAMILTON COUNTY—Grading and drainage of 1.967 miles of State Highway No. 27 between Glendale and Valdeau. Bids for two bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 388-B, WILLIAMSON COUNTY—Grading and drainage of 11.469 miles of State Highway No. 6 between the Maury County line and Franklin. Bids for four bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 505-B, DICKSON COUNTY—Construction of three concrete bridges and approaches on State Highway No. 48 between Dickson and Charlotte.

PROJECT NO. 506-B, HAMILTON COUNTY—Construction of a concrete overhead structure and a concrete bridge and approaches on 0.486 mile of State Highway No. 2 between East Chattanooga and Silverdale at the N. C. & St. L. Railroad and Chickamauga Creek.

PROJECT NO. 507-A, WASHINGTON COUNTY—Grading and drainage of 9.974 miles of State Highway No. 36 between Johnson City and the Sullivan County line. Bids for six bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 508-B, HICKMAN COUNTY—Grading and drainage of 7.116 miles of State Highway between the end of State Project No. 508-A and the Williamson County line.

PROJECT NO. 512-B, RUTHERFORD COUNTY—Construction of a concrete deck girder bridge on the Sam Davis Road over Stewart Creek near Smyrna.

PROJECT NO. 516-A, DAVIDSON COUNTY—Grading and drainage of 10.873 miles of State Highway No. 11 between Nashville and a point North of Goodlettsville. Bids for eight bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 517-A, DAVIDSON COUNTY—Grading and drainage of 13.767 miles of State Highway No. 12 between Nashville and the Cheatham County line. Bids for three concrete bridges over twenty-foot span will be received separately.

PROJECT NO. 518-A, MOORE COUNTY—Grading and drainage of 0.350 mile of State Highway No. 15 between Fayetteville and Winchester at Grammar Hill.

Bidder's bond on the form furnished with the proposal, from a surety acceptable to this Department, or certified check, made payable to this Department, in the amount of not less than five per cent (5%) of the total bid must accompany the bid as evidence of good faith and as guarantee that, if awarded the contract, bidder will execute and give bond as required.

Plans are furnished at cost, with no refund. Standard Specifications are furnished at a charge of \$1.00, with no refund. Proposals are furnished free of charge.

The right to reject any or all bids is reserved.

HARRY S. BERRY,  
Commissioner.

Bids close October 23, 1928.

### Water Works and Sewers.

Archer City, Texas.

Sealed bids will be received at the office of the Mayor of Archer City, Texas, until 2 o'clock P. M. Tuesday, October 23, 1928, for approximately \$40,000 water works improvements and \$40,000 sewer system improvements. Plans and specifications may be obtained from Messrs. Montgomery & Ward, Engineers, Harvey-Snyder Building, Wichita Falls, Texas.

F. M. POWER, Mayor.

Bids close October 30, 1928.

### White Way Lighting

Mobile, Ala.

Sealed bids will be received by the Board of Commissioners of the City of Mobile until 12 o'clock noon October 30, 1928, for the installation of White Way Lighting Venture No. 1 in the City of Mobile, Alabama.

Project No. 1—35 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 2—67 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 3—12 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 4—35 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 5—3 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 6—35 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 7—68 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 8—60 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 9—20 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 10—122 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 11—29 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 12—113 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 13—156 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 14—13 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 15—31 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Plans and specifications are on file in the office of the City Electrical Engineer in the Municipal Building and may be obtained upon receipt of Twenty-five (\$25) Dollars.

All bids must be addressed and delivered to S. H. Hendrix, City Clerk, on or before the time above stated and accompanied by a certified check for the amount of One Thousand (\$1000) Dollars to insure the completion of the signing of the contract and furnishing of a surety bond by the contractor whose bid is accepted. All other checks, except successful bidder's, to be returned on demand after opening and tabulation of bids. The successful bidder's check shall be returned after signing surety bond.

The contractor to whom the work is awarded will be required to furnish a surety bond for the full amount of the contract price, plus fifty (50%) per cent, insuring the completion of the contract according to plans and specifications.

The Board of Commissioners reserve the right to reject any and all bids.

ANDREW A. COFFIN,  
Electrical Engineer,  
City of Mobile.



Bids close November 12, 1928.

War Department, U. S. Engineer Office, Wilmington, N. C. Sealed bids, in duplicate, will be received until 12 o'clock noon November 12, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for constructing, testing and delivering two steel barges. Further information on application.

Bids close October 25, 1928.

### Street Paving

Dawson Springs, Ky.

Sealed bids for the construction of Street Paving Improvements at Dawson Springs, Kentucky, will be received by the Board of Mayor and City Council at the office of the City Clerk until 2 P. M., October 25th, 1928, at which time and place they will be publicly opened and read.

The work comprises grading, drainage, concrete curbs and gutters, and paving of Rock Asphalt on Macadam Base.

Approximate quantities of principal items:

15,800 Sq. Yds. Roadway Surface.  
7,000 Tons Crushed Rock rolled in place.  
6,400 Lin. Ft. Concrete Curbs and Gutters 18 in. wide.

310 Sq. Yds. Concrete valley gutters.

Plans and specifications may be examined at the office of the City Clerk at Dawson Springs, or at the office of the Engineer, or a copy may be obtained from the Engineer upon receipt of a deposit of ten dollars, of which amount five dollars will be refunded when plans and specifications are returned in good condition.

The right is reserved to reject any or all bids, and to waive informalities.

Each bid must be accompanied by a certified check, drawn on a responsible bank or trust company, and made payable to the City Treasurer of the City of Dawson Springs, Kentucky, for a sum not less than 1 per cent of the bid. The successful bidder will be required to furnish performance bond and a five-year maintenance bond in the sum of 100 per cent of the contract price.

The Contractor will be paid in cash or improvement bonds only on the completion of the work, as provided by the Kentucky Statutes, and as set out in the improvement ordinance.

For further information address the Engineers.

D. M. CLARK, Mayor.

J. L. HOSICK, City Clerk.

C. N. HARRUB, Engineer,  
705 Fourth and First National Bank Bldg.,  
Nashville, Tenn.

Bids close November 2, 1928.

### Drainage Canal Improvements

COLUMBUS COUNTY DRAINAGE DISTRICT NO. 2

Bolton, N. C.

The Board of Drainage Commissioners of Columbus County, Drainage District No. 2, will receive at its office in Bolton, N. C., until 10 o'clock A. M., on the 2nd day of November, 1928, to be publicly opened and read at said time and place, proposals for the construction of a bulkhead and the cleaning out of old drainage canals.

Each proposal must be submitted on the blank forms as provided in the specifications and shall be enclosed in a sealed envelope and addressed to F. L. Finkenstaedt, Chairman, Bolton, N. C., and marked "Proposals for Improvement of Drainage Canals."

All contractors bidding on this project must file with the engineer, before or at the letting, evidence that they are properly licensed to practice in North Carolina as required by the laws of said state.

The work contemplated embraces about 2,000 linear feet of bulkheading and about 80,000 cu. yds. of clean-out excavation, with other small items.

Specifications and plans may be seen at the office of the Board of Drainage Commissioners, at Bolton, N. C., or at the office of J. L. Becton, Engineer, Wilmington, N. C. Plans and specifications may be had upon application to J. L. Becton, Engineer, for the sum of \$5.00. Such plans and specifications then become the property of the bidder.

Each proposal must be accompanied by a certified check upon a solvent bank in the sum of 5% of the amount of the bid as evidence of good faith. The check of the successful bidder will be retained until his bond has been filed and accepted. Bond must be provided within 15 days after awarding of contract and construction must begin within 30 days after awarding of contract, and the whole job finally completed within six months after the awarding of contract.

The Board of Drainage Commissioners of Columbus County Drainage District No. 2 reserve the right to reject any or all bids.

Dated at Bolton, N. C., this 6th day of October, 1928.

THE BOARD OF DRAINAGE COMMISSIONERS OF COLUMBUS COUNTY DRAINAGE DISTRICT NO. 2.

By F. L. FINKENSTAEDT, Chairman,  
Bolton, N. C.

J. L. BECTON, Engineer,  
Wilmington, N. C.

Bids close October 26, 1928.

### Erection of Pumping Equipment

Mobile, Ala.

Sealed bids for furnishing all labor and materials for the erection and installation of the pumping equipment listed below will be received at the office of the Commissioners of the City of Mobile, Alabama, in the City Hall until 12 o'clock noon October 26, 1928, at which time bids will be opened and publicly read, after which the bids will be considered and award made as early as practicable.

The proposed project includes the following:

Bienville Pumping Station:

- (a) Removal of one steam unit.
- (b) Installation of 2 5200 g.p.m. 220-foot head, dual drive, synchronous motor and gasoline engine, horizontal centrifugal pumps.

Spring Hill Pumping Station:

- (a) Removal of one steam unit.
- (b) Installation of 1 5200 g.p.m. 170-foot head, dual drive, synchronous motor and gasoline engine, horizontal centrifugal pump.
- (c) Installation of 1 400 g.p.m. 350-foot head, dual drive, induction motor and gasoline engine, horizontal centrifugal pump.

Spring Hill Booster Pumping Station:

- (a) Erection of Building, 15 ft. x 20 ft. x 15 ft. (approx.).
- (b) Installation of 1 5200 g.p.m. 30-foot head, dual drive, induction motor and gasoline engine, horizontal centrifugal pump.

All of the installations shall consist of:

Complete piping, including connections to present mains, all valves, fittings, foundation, electric wiring and control motors are to be 2200 volt, 3 phase, 60 cycle, and gasoline engines should be of the heavy-duty industrial type.

A certified check on a reputable National or State bank or a bank draft for Five Hundred Dollars (\$500), made payable without reserve to the Mayor of the City of Mobile, Alabama, must accompany each bid.

The right is reserved to reject any or all bids, to waive any information in any bid received, to accept any bid considered advantageous to the City of Mobile and also to disregard any failing or irresponsible bidder or contractor known as such.

Blank forms of proposals may be obtained and plans and specifications may be seen at the office of the Engineer of the City of Mobile, Alabama.

WRIGHT SMITH,  
City Engineer.

## CLASSIFIED OPPORTUNITIES

### MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

#### WATER-POWER SITE

at High Falls, on Little River, Oconee Co., South Carolina, 12 miles from Seneca Station, Southern Railway. Two falls, 5 and 29½ feet each; natural rock dam. Estimated full development 900 horsepower; average 600; 230 acres in tract. No incumbency. GEO. M. COFFIN, Putnam, Conn.

#### IN OIL AND POTASH BELT OF TEXAS

16,000-acre improved ranch in Winkler County, 9½ miles east of big WINKLER OIL POOL; 7 mi. from nearest oil production; 13 mi. from U. S. Gov. POTASH test at METZ. Interior Dept. bulletin 23657 shows 23 ft. of commercial potash in 8 strata. Leased for oil and gas to major cos. Llano has location 1 mi. west. \$11 per acre includes 3/32 of all oil and gas produced and 31/32 of all POTASH and other minerals, giving development or lease rights as to POTASH. Oil and ranch lease rentals will pay 3¼% on purchase price. This is best buy I know of anywhere. I own 2170 acres a few miles from this that 4 times the above price will not buy.

C. H. C. ANDERSON,  
709-12 Linz Building, Dallas, Texas,  
agent for owner.

### Rates, Terms and Conditions

RATES: 30 cents a line each insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made.

Rates for Special Contract:  
100 lines 28c a line  
300 lines 26c a line  
500 lines or more 25c a line

TERMS: For transient advertising cash with order; check, postoffice or express money order or stamps accepted.

On special contract advertising, bills are rendered monthly covering space used each month, payable within ten days.

CONDITIONS: No patent medicine, oil or mining stock advertisements or questionable or undesirable advertisements will be accepted. The assistance of our readers in excluding undesirable advertisements is requested. No display type used.

### MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

#### WATER POWER SITE

Best in South; 20,000 HP. for manufacture of cotton, cement, metals. Write OWNER,  
Box 33, West Cunningham, Mass.

### FARM, FRUIT AND TRUCK LANDS

#### FLORIDA

LAKE COUNTY—Beautiful 17 acre grove on large lake. Modern home and modern poultry buildings. All conveniences. Price \$25,000. P. B. RUGGLES, Groveland, Fla.

FLORIDA 10-ACRE Truck and Fruit Farms—Insured title. Reached by paved highways; 10 miles west of Palatka, county seat, population 12,000; excellent schools, churches, banks, industries. Water and rail transportation. Productive soil. Delightful climate. A number of tracts still available at only \$250—\$10 cash, \$10 monthly without interest. Splendid for immediate development or investment. Write for illustrated descriptive folder. Dept. M., N. T. MacMILLAN COMPANY, Realtors, 110-111 Elks Building, Jacksonville, Florida.

## FARM, FRUIT AND TRUCK LANDS

## FLORIDA

## "TWENTY ACRES AND PLENTY"

FREE book tells truth about Florida land; monthly payments \$1.50 an acre; no interest; no taxes; sick benefit features.

SYLVESTER E. WILSON,  
Department X,  
Orlando, Fla.

## WHEN WINTER COMES.

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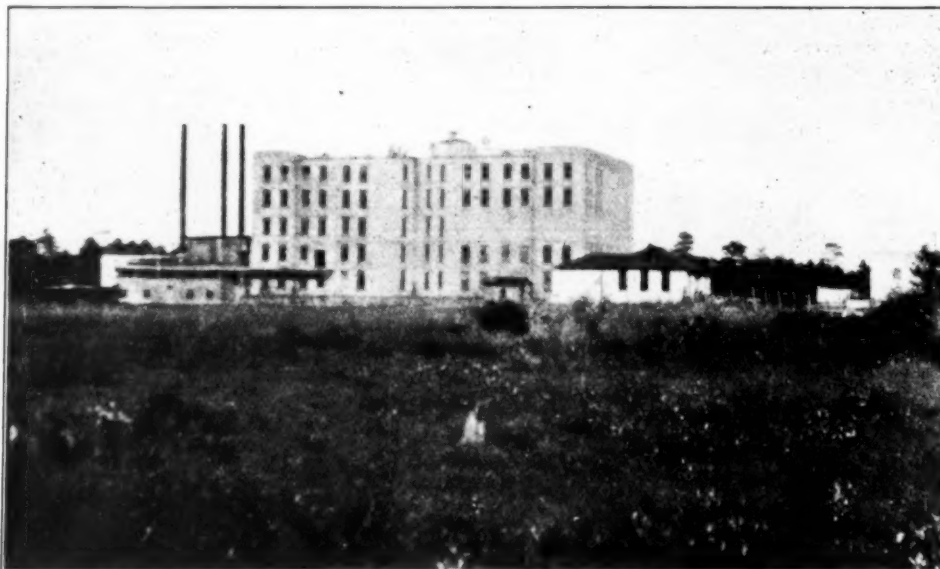
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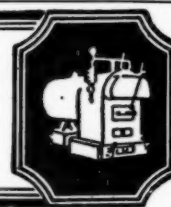


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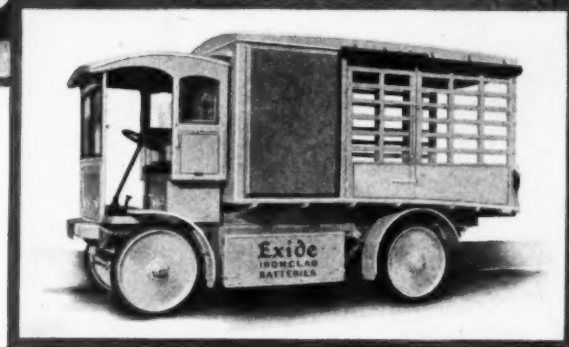
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